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BUREAU OF WAR RISK INSURANCE

R. G. CHOLMELEY-JONES, Director

MILITARY AND NAVAL INSURANCE

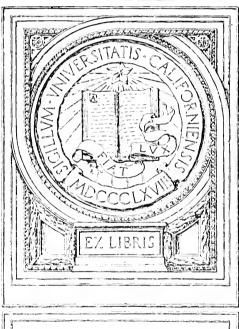
AND MILITARY AND NAVAL COMPENSATION CLAIMS AS A RESULT OF THE WORLD WAR

JUNE 30, 1919



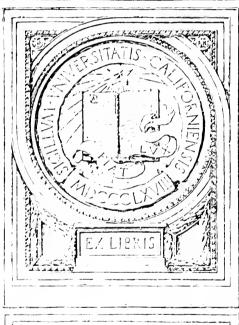
WASHINGTON
GOVERNMENT PRINTING OFFICE
1920

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GIFT OF









TREASURY DEPARTMENT BUREAU OF WAR RISK INSURANCE

R. G. CHOLMELEY-JONES, Director

MILITARY AND NAVAL INSURANCE

AND MILITARY AND NAVAL COMPENSATION CLAIMS AS A RESULT OF THE WORLD WAR

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TREASURY DEPARTMENT,
Document No. 2863.

Bureau of War Risk Insurance.

LETTER OF TRANSMITTAL.

TREASURY DEPARTMENT,
BUREAU OF WAR RISK INSURANCE,
OFFICE OF DIRECTOR,
Washington, January 19, 1920.

The Honorable the Secretary of the Treasury.

Sir: I have the honor to submit the following statistical report which has been compiled by the Actuarial Division, under the direc-

tion of Mr. William Macfarlane, actuary.

For some time past, the bureau has been gathering and classifying important statistics concerning the deaths and disabilities resulting from the World War with relation to the payment of the military and naval insurance and compensation as provided by the war risk insurance act.

In an effort to make the entire contents of the report easily accessible to all who have occasion to examine it, the statistical tables have been supplemented and afforded vivid illustration by alter-

nating them with a series of graphic charts.

I am quite convinced that the information contained in this report is not only of great present value, but will serve to preserve a store of material of great interest and assistance to those seeking knowledge in the years to come regarding United States casualties.

Therefore, it is urged that you approve that this report be pub-

lished by the Treasury Department.

Respectfully submitted.

R. G. Cholmeley-Jones, Director.

Approved for publication:
Carter Glass,
Secretary of the Treasury.

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INTRODUCTION.

SCOPE OF THESE DATA.

It is the purpose of this report to present to the public certain basic facts concerning the deaths and disabilities incurred by members of the American forces at home and abroad, with relation to the payment of the military and naval insurance and compensation as provided by the war risk insurance act. It presents an exposure of those cases only which came under observation in the period between April 6, 1917, and June 30, 1919. No attempt is made to give results based on refined statistical analysis. The report is unique in that it presents statistics relative to war-time mortalities and disabilities with the correlation of these statistics with one of the most comprehensive protective systems ever offered by any

government to its fighting forces.

It is not yet possible to obtain the aggregate mortality experience among those who insured themselves, because final results of exposure to war hazard, even for cases which come under observation of the Bureau of War Risk Insurance, and data relative to the total number of exposures are not yet available. Material is being collected which will make a more comprehensive treatment possible and this will be presented when the facts pertaining to the casualties arising in or directly traceable to the service have been secured in their entirety. While, due to the inevitable destructive character of human conflict and the necessarily precarious work of preparation therefor, education may not be directed toward the prevention of essential war mortality, it may be directed toward the prevention of diseases that develop among the fighting forces, or, in fact, in any body of persons living in congested circumstances. Therefore, it is hoped that this presentation will serve as a contribution to the facts already ascertained with regard to war mortalities and war disabilities and will aid in the establishing of a program the aim of which will be to add a further check upon the spread of diseases resulting from like abnormal conditions.

COMPENSATION AND INSURANCE.

The study is divided into two parts; the first, presenting the facts in their relation to insurance; and the second, in their relation to compensation, no attempt having been made to correlate the two. The cases analyzed are exclusively those in which settlements have been actually negotiated, in accordance with the war risk insurance act, with the persons who have made claims for benefits. However, certain statements are made concerning those who have not as yet been allowed an award. Tables and diagrams, together with certain explanations and deductions supplementing them, are used as a means of telling the story.

The insurance study presents 104,485 deaths and 565 disabilities of a permanent and total nature. The compensation experience covers 25,251 deaths and 32,876 disabilities of either a permanent or temporary nature ranging from total disability to 10 per cent

disability. The two death groups overlap as do also the disability groups, since the same easualty may result in both an insurance and a compensation award. Therefore, the conditions surrounding a

death or a disability may be represented in both studies.

The reader who is interested primarily in insurance as administered according to the war risk insurance act and its relations to war hazard will find the desired facts in the first study. Anyone interested in compensation also administered according to the war risk insurance act and its relations to war hazard will find his facts in the second study. While one interested not so much in the subject of insurance and compensation, but seeking information in regard to the deaths and disabilities incurred during active service or incident to the service, with all the conditions affecting each case, will use for a mortality study the insurance death group, and for a disability study the compensation disability group. These two groups represent as nearly as possible the death and the disability experiences of the war.

The insurance death group when complete will represent about 90 per cent of the total deaths due to service, since about that proportion exists between those insured and the total number who served with the fighting forces during the war. The compensation death group is not representative because, not only are the beneficiaries limited to those falling within a permitted class, but, with the exception of wife and children, they must also prove dependency before an award can be made.

The compensation disability group, when the experience is completed, will represent the total disabilities due directly or indirectly to service, since there is no limitation except that the disability be at least 10 per cent of a total disability. The insurance disability group is very restricted as it contains only those insured persons who

sustained disabilities of a permanent and total nature.

SOURCES AND PROCESSES OF COMPILATION.

The collection, the preparation and the compilation of the data have involved both technical and tedious processes. Since the sources of the material and the accuracy with which these processes have been carried out have a fundamental bearing upon conclusions,

a brief résumé of both is given.

With regard to the sources of the data presented, it may be said that the "claim papers" compose the material. A notice of death or disability received from any source by the Bureau of War Risk Insurance is considered sufficient basis for the opening of a claim. Some of these first facts emanate from The Adjutant General's Office, some from the Navy Department, and others from the commanding officers of the various organizations. Often letters from relatives give information of deaths or disabilities hitherto unreported from any official source. Immediately the necessary machinery is set in motion to justify an award of some kind according to the rights of the case under the law, either of insurance, or compensation, or both. However, in instances in which the mere notice of death has been received numerous cases have developed in which it has proved extremely difficult to locate any relatives enti-

tled to privileges as beneficiaries under the law. Such circumstances have necessitated an enormous amount of correspondence in order to ascertain the address of persons to whom moneys may be payable and to inform them of their rights. All correspondence, affidavits, birth certificates, medical reports, etc., pertaining to a case are filed in a folder. The material is carefully examined as it comes in and as soon as sufficient evidence is received to establish a valid claim under the act, payments of insurance or compensation, or both, are approved. Many of these files become voluminous before the claim can These folders contain the history of every case be finally awarded. from the first notice to the final award, and it is from these files that the desired statistical facts are taken. The facts thus collected are transcribed on record cards which are to serve as permanent abstracts of the cases. These cards carry the pertinent facts in a condensed form and are brought up to date as further developments occur relative to change of beneficiaries, amount of award, etc.

On June 30, 1919, the material on the record cards for all cases upon which insurance or compensation had been awarded were taken as the basis for this report. The information was transferred from the record cards to perforated tabulating cards by codifying the material and using Hollerith punching machines. In order to facilitate the sorting processes and tabulations, cards of three colors were used; one color indicating contract insurance, one automatic insurance, and one compensation. The primary step in the sorting processes consisted in the separation of claims for which awards had been made from those for which no awards had been approved. The next step was the separation of the death cases from the disability cases in both of these foregoing groups. Further divisions were effected by a separation of groups of cases upon which awards had been terminated, those in which awards or beneficiaries had been changed, and those upon which awards were actively running.

The report is presented with the feeling that the maximum degree of accuracy has been attained. Definite rules governed the selection of data in order that the most authentic information should be recorded. All processes of collection, preparation, and compilation

were done twice independently.

DIGEST OF PROVISIONS OF WAR RISK INSURANCE ACT.

(As operative on June 30, 1919, with respect to payments of Military and Naval insurance and compensation.)

The original war risk insurance act was passed in 1914 and provided insurance against war-time hazard, on bottoms and cargoes of American merchant vessels. Later, in June. 1917, this act was amended to establish a seamen's division to insure the lives of officers and crews of American merchant vessels. However, the war risk insurance act as is generally understood by the term was passed October 6, 1917, and provided both insurance and compensation to members of the military and naval forces. Amendments have been passed from time to time regarding the restrictions set forth in this act. At the

present time a bill radically enlarging the provisions of the war risk insurance act is before Congress.¹

INSURANCE BENEFITS.

[Art. IV, war-risk insurance act.]

The act of October 6, 1917, made provision for two widely differentiated classes of insurance, contract and automatic insurance.

CONTRACT INSURANCE.

Contract insurance is protection for which a person in the active service of the United States after October 6, 1917, has made application and represents a contract between the individual and the Government. The policies may be taken out in amounts from \$1,000 to \$10,000, in multiples of \$500. Those desiring to avail themselves of the contract insurance offered by the Government made application for it. The application indicated the amount of the policy and the person or persons to whom the benefits should be payable at the decease of the insured. To keep the insurance in force the insured was obligated to make monthly premium payments.

The most usual procedure for the payment of such premiums was for the insured to authorize the deduction of the necessary amount from his pay by the War or Navy Department. The class of beneficiaries in whose favor contract insurance might be drawn was limited and it was imperative that the insured keep within this permitted class in choosing the person or persons to whom benefits were to accrue at his death. This permitted class included spouse, child, grandchild, parent (the definition of which term was made to include grandparent, father or mother, father or mother through adoption, step-parents of either the person in the service or of the spouse), and brother or sister.

The insured was permitted to name one or more of this list as contingent beneficiaries in the event of his death. However, at any time he was privileged to change his beneficiary or beneficiaries without their consent and to designate any other or others within the permitted class. In event no beneficiary has been made by insured, or if one had been designated but had died before the insured, or if he had named a person not in the permitted class, the laws with reference to the descendant of intestated personal property of the State of legal residence of the insured govern the choice of beneficiaries.

If the insured had sustained a disability of permanent total degree, the law provided that he receive payment of insurance from the date of disability irrespective of whether or not he had received a discharge from the service. Upon the death of the insured, or, at the time permanent total disability is incurred by the insured, insurance is payable. For a \$10,000 policy an annuity of \$57.50 is payable each month for 240 months at death. The amount of the annuity at the end of this time, using a 3½ per cent rate of interest as specified by the act, is \$13,800. In case the insured is permanently and

¹ This amendment, known while pending before Congress as the "Sweet bill," has passed Congress and was signed by President Wilson Dec. 24, 1919. The full text of the amendment is to be found on p. 158 in the appendix.

totally disabled an annuity is payable throughout his lifetime. Provision has been made by bureau regulation for the payment of life annuities.

AUTOMATIC INSURANCE.

Automatic insurance is entirely different from contract insurance. Between April 6, 1917, and October 6, 1917, there were no provisions for contract insurance. Persons in active service dying or incurring total disability of a permanent nature within this period and up to February 12, 1918, were protected by the insurance known as automatic insurance, or insurance without application, which automatically accrued to said disabled persons, or in the event of death to certain beneficiaries. This is in the nature of an arbitrary grant and resembles war risk term insurance only in that it is payable in 240 monthly installments. The inouthly payments are always to the amount of \$25. These payments, of course, are not adjusted according to the law of probability to payments made by the insured, inasmuch as no premium payments are exacted.

The permitted class of beneficiaries in automatic insurance is more

The permitted class of beneficiaries in automatic insurance is more restricted than in contract insurance. As in the case of contract insurance the person himself is the beneficiary in the event of permanent total disability sustained in the service, but, in the event of death—the permitted class of beneficiaries includes only widow, child, mother, or father, in the order named, each class exclusive

of the others.

COMPENSATION BENEFITS.

[Art. 111.1

Compensation benefits are completely distinct from those of insurance. An insurance award has no influence or bearing whatsoever on a compensation award for the same death or diasbility, and vice versa. Insurance is a Government contract with an individual, whereas compensation is a Government grant which is discontinued upon the termination of the contingency necessitating it.

Compensation is for 'death or disability resulting from personal injury suffered or disease contracted in line of duty * * *: Provided, That for the purposes of this section, said officer, enlisted man, or other member shall be held and taken to have been in sound condition when examined, accepted and enrolled for service.' This provision works to particular advantage in the case of men disabled with chronic diseases like tuberculosis. Although the first onset of the disease may have been prior to the date of enlistment or draft and the incipient stage may have been overlooked by the medical examiners at the time of acceptance into the service, nevertheless it is in practice assumed that the disease has been aggravated or reactivated by the conditions incident to service.

COMPENSATION FOR DISABILITY.

At discharge, or within five years after discharge, a person disabled may put in his claim for compensation. The claimant must prove that the disability occurred in or was aggravated by the service or developed within the year after separation from the service from conditions therein, or must present a certificate obtained

from the Director to the effect that the injured person at the time of his discharge or resignation, was suffering from injury likely to result in death or disability, and the disability must be to the extent of at least 10 per cent. Upon receipt of necessary proof, an award of compensation may be approved to the discharged officer or enlisted man (term also includes woman in active United States service). It is payable if and while the payee is disabled and in amount proportional to his disability. However, Article III, Section 302, specifies that "there shall be no reduction in the rate of compensation for individual success in overcoming the handicap of a permanent injury." That is, the average impairment of earning capacity is to be considered rather than the exceptional. Compensation awards may be reviewed on the 1st day of any month and, in accordance with the facts as then ascertained, may be terminated, diminished, or increased.

Reexaminations of disabled persons compensated by the bureau are required periodically, subject to regulations, and the findings of such examinations determine the continuance and amount of awards

WHEN COMPENSATION FOR DISABILITY IS NOT PAYABLE.

No compensation, however, is payable to a person disabled unless he has been discharged or released from the service. Family allowances (limited to enlisted men, however, in Article II, regulating allotments and allowances in the Act) and treatments in military hospitals continue up until the date of discharge, which date is postponed until it is deemed that the maximum improvement has been obtained. Nor do benefits accrue to persons on the retired list in receipt of retirement pay: nor to those whose active service terminated before the date of the passage of the act, October 6, 1917; nor in case of a disability not occurring in line of duty (directly, or as a result); nor in case of a disability occurring as a consequence of misconduct; nor to persons dishonorably discharged.

COMPENSATION FOR DEATH.

Compensation is also payable to the dependents of a person disabled or killed in active service on or after October 6, 1917, provided death or disability was incurred while in active service or incident to service, and was not the result of misconduct. The permitted class of persons entitled to receive compensation includes widow until her remarriage, or dependent widower of any female member of the active service or Army or Navy Nurse Corps, children before attaining the age of 18 years, and dependent mother or father. A widow who shall have married the deceased later than 10 years after the time of injury, and a widow living in an openly and notoriously illicit manner is not entitled to receive compensation benefits under the law. The term widow includes a former wife divorced if and while she is in receipt of alimony decreed her by court; the term child includes illegitimate or adopted child for whom there is legal responsibility and stepchild living with the family. A widow, unless in the restricted classes above mentioned, or a child, is always considered as dependent and need only submit proof of relationship in the

form of marriage certificate, certain affidavits, etc. In case the child is not in the custody of the disabled man or his widow, or, in case a disabled man and his wife are not living together, compensation is payable, but the apportionment is left to special regulations. mother or father, in order to receive compensation, must be dependent upon the deceased and must submit proper proof of dependency in the form of statements of habitual contributions on the part of the deceased, together with other statements as to income. establishing proof of dependency an award of compensation may be made, but this will continue only as long as such dependency exists. If dependency arises more than five years after the death of the person, no compensation award is in order. A mother or father already receiving compensation in connection with the death of another child in the service is not entitled to further payments of compensation. Except where the beneficiaries are minors the filing of all claims is subject to a final limit of six years after the discharge. or, in case death or disability occurs after discharge and is incident to the service, to six years after the occurrence of the death or disability, but the awarding of any claim not entered within one year after discharge is made difficult and subject to special restrictions.

All compensation awards are exempt from attachment by any

creditor except the United States Government.

FOUR CLASSES OF BENEFICIARIES.

The cash benefits of compensation may be divided into four heads:
(1) Disability benefits, (2) self-and-family benefits, (3) nurse benefits,

(4) family benefits.

(1) The disability benefits are the moneys payable monthly to the disabled man himself and are to the following amounts: Total disability for the time being, \$30;¹ partial disability of a temporary nature, a certain per cent of \$30, according to the degree of the disability; total disability of a permanent nature, \$30, 'Provided, however, That for the loss of both feet or both hands or both eyes, or for becoming totally blind or becoming helpless and permanently bedridden * * * the rate of compensation shall be \$100 per month'; partial disability of a permanent nature, a percentage of \$30, regulated according to the degree of the disability.

(2) The self-and-family benefits are payable to the disabled man and such members of his family as are entitled thereto and are as follows: Amount to a man totally disabled for the time being to include a wife, \$45; \$10 extra for each child up to three; to a totally disabled man and dependent mother or father, \$40; to a man totally disabled with dependent mother and father, \$50. Men suffering with partial disabilities of temporary or permanent classification are paid the percentage of the amounts designated for self and family status in each

case equal to the percentage of their disability.

(3) Nurse benefits are benefits payable when a person is so disabled as to require a nurse. For a total disability, \$20 monthly is the maximum amount allowed under the act of October 6, 1917, for an attendant. An amendment to this act made provision for an award of \$100 monthly for a nurse in event of "loss of both hands and both eyes, or

 $^{^{1}}$ The scale of disability benefit has been revised upward by the amendment of Dec. 24, 1919, beginning with a change from the basic payment of \$30 to \$50 for total disability. See Appendix, p. 158.

in case of loss of both feet and both eyes, or in case of loss of both hands and both feet." The award for a nurse will be in addition to the \$100

payable for such disability.

(4) The family benefits include awards to widow, children, mother, or father of the deceased man. The widow is entitled to \$25 monthly; widow and one child, \$35; widow and two children, \$42.50, widow and three children, \$47.50; widow and four children, \$52.50, with no further allowance made for additional children. In event the wife is not living, \$20 monthly for the first child; for the second child, \$10 in addition; third, \$10; fourth, \$5; fifth, \$5; no allowance for additional children. A dependent father or mother is entitled to receive \$20; if both are dependent they are entitled to receive \$30. The maximum family benefit in case of death is \$75.

ADDITIONAL BENEFITS.

In addition to cash payments of compensation the Government also makes provision for reasonable and necessary medical, surgical, and hospital services and medical and surgical supplies and appliances, such as artificial limbs and trusses. Traveling expenses and loss of wages involved in submitting to the compulsory medical examinations by designated physicians are also covered in these provisions. Reasonable burial expenses of any person dying in the active service on or after October 6, 1917, are payable up to the amount of \$100. It is necessary, however, to submit all receipted itemized bills in connection with funeral expenses before an award may be approved to compensate for burial expenditures.

PART I.

MILITARY AND NAVAL INSURANCE.

Period Considered, April 6, 1917, to June 30, 1919.

Total	death cases analyzed							104,485
Total	disability cases analyzed	d.						565
Total	military and naval insur	rance e	clain	ıs aw	arde	d	,	105,050
Total	amount of insurance inv	olved						\$911,749,380



MILITARY AND NAVAL INSURANCE.

I. CLAIMS FOR WAR RISK INSURANCE BENEFITS.

The cases under observation in this study of insurance mortality and disability experience are those of persons dying or incurring permanent total disabilities for which claims have been filed during the period from April 6, 1917, to June 30, 1919. Though the claims for benefits were not received until sometime subsequent to the passage of the War Risk Insurance Act, October 6, 1917, the cases of automatic insurance might retroact to April 6, 1917. The following is a table showing the number of claims received by the bureau within this period and the number of awards made, number left pending, and number not payable.

MILITARY AND NAVAL INSURANCE.

Table 1.—Statement of number of military and naval insurance claims due to death and permanent total disability for the period Apr. 6, 1917, to June 30, 1919.

Claims received. Contract insurance claims awarded. Automatic insurance claims awarded.	-100,070		117, 88
Total claims awarded	391	105, 050	
Total claims not being paid		1,003	
Total contract and automatic insurance claims dispose	ed of		106, 05
Claims pending June 30, 1919		• • • • • • • •	11, 83

The following diagram, in graphic illustration of Table 1 brings out the comparison of the number of claims filed with those awarded, with those pending, and with those upon which no award can be made.

Military and Naval Insurance Claims.

2	Number.	
Claims received	117,885	
Claims awarded	105,050	
Claims not paid	1,003	
Claims pending	11.832	(3000)

DIAGRAM 1.—Status of the claims for contract and automatic insurance on June 30, 1919.

Claims subject to question as to whether or not an award should be made are held open and considered as pending until some action can be taken. A distinction is made between those upon which it has been decided that no award is justifiable and those which are pending further investigation. It is not unusual for claims to remain pending for some time, as it frequently happens that the beneficiaries live either in foreign countries or in places so remote as to necessitate a considerable lapse of time between the forwarding of forms or the initial correspondence and the arrival of the response at the bureau. It is the object of the bureau to keep these claims pending as long as there remains any possibility of making an award and to take the initiative in locating possible beneficiaries. In disability cases there is less time consumed in locating the beneficiary since it is easier to correspond with the insured himself than with a beneficiary whose residence may have been changed from time to time without notification of such change having been forwarded to the bureau. Delay which may occur in disability cases is usually attributable to the time required to determine whether or not the disability is permanent and total.

The following illustrates graphically the gradual increase in the number of claims entering the bureau each month up to December,

1918.

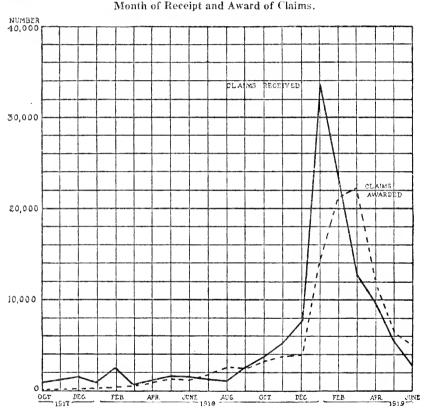


DIAGRAM 2. Contract and automatic insurance claims on account of death and disability received and awarded by the Bureau of War RIsk Insurance by date of receipt and date of award, respectively.

It is to be noted that within the month of December there is a decided upward turn in the curve indicating the number of claims received and that by the following month the highest point had been reached. From February on there was a gradual decrease until in April the number is shown to be that which had been reached in December.

In comparison with the curve showing the monthly receipts of claims, is that showing the dates on which award was made. The horizontal separation between the two curves very roughly represents the time necessary for the adjudication of a claim. The vertical

separation represents the number of claims for which awards can not be made and the claims which are pending.

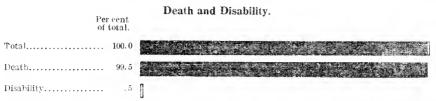


DIAGRAM 3.—A comparison of the number of death claims with the number of disability claims awarded for contract and automatic insurance.

There is a consistent separation of the death cases from the disability cases in the table presentations. Diagram 3 illustrates how small the disability group is in comparison with the death group. With but few exceptions diagrams do not attempt this separation, treating either the combined groups or the death group alone.

In a similar manner it is usual to make a separation of cases into those in which contract insurance awards have been made and those in which automatic insurance awards have been made. Diagrams 4 and 5 show the relative size of each group together with the death and disciplinate apparation.

disability separation.

Contract and Automatic Insurance.

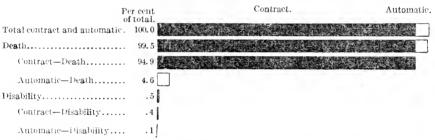


Diagram 4.—The total number of awarded claims for death and disability cases, showing separation into contract and automatic insurance.

Death and Disability. Per cent Death. Disability. of total. Total death and disability... 100.0 Contract insurance..... 97.6 Contract-Death..... 97.2Contract-Disability 4 Automatic insurance..... 2.4 Automatic-Peath..... Automatic-Disability...

Diagram 5.—The total number of insurance claims awarded for contract and automatic insurance showing separation into death and disability.

The contract and automatic insurance groups are often used in combination, as together they broaden the mortality experience. However, from the insurance standpoint the separation of cases is essential because of the fundamental differences between the two classes of insurance.

II. AGE INCIDENCE.

CONTRACT INSURANCE—DEATH AND DISABILITY CASES.

TABLE 2.-Age of the insured at date of death or at date of disability.

		Death.			Disability.	У.		Total.	
Age.	Number.	Monthly payment.	Amount of insurance,	Number.	Monthly payment.	Amount of insurance.	Number	Monthly payment.	Amount of insurance.
	-	\$57.50	\$10.000.00				-	\$57.50	\$10,000.00
		00.70	10,000.00				-	57, 50	10,000,00
	-	SO5 04	140,007,00	:	S-30-8	65 000 00	_	833 70	115 00
	- 5	3 079 00	602,000.00		16 38	15,000,00	_	4 065 95	707,00
	363	90, 170 64	7 520 500 00		00.00	00.000.00		25 615 64	207,00
	626 6	191 943 42	91,009,000,00		00.00	1 10,000,00	0 210	199 000 03	01 929 63
	1000	000,000,00	24,025,030,00		100 00	190,000,00		504 667 74	10,010,01
	6, 920	200, 357.71	54, 945, 034, 00		00.027	00.712,621	_	501,007.74	44, 479, 44
	7,305	501, 600, 64	14,304,477.00		S	138, 339, 00		200,007,12	11,406,41
	10, 476	558, 135, 53	97,067,049.00		1,763.40	306,678.00		559,898.93	97, 373, 72
	13,561	717, 138, 43	124,719,727.00		2, 730, 69			719,869.12	125, 194, 62
	11,839	627, 510, 01	109, 132, 176, 00		1,916,25			629, 426, 26	109, 465, 45
	2885	523, 576, 81	91,056,837,00		788 95			595, 365, 06	91, 367, 87
	100	172,865,01	89, 937, 303, 00		1,000,75		_	171 403 76	59 690
	100.1	203 200 01	00, 201, 000, 00		0000		_	200, 406, 04	67,020,61
	7	000,000	00,000,000,00		2,040.00			200,450,04	01,000,00
	6, 235	331, 306, 96	57, 634, 254, 00		1, 122, 50			332, 519, 46	57,820,45
	5,431	288, 519, 88	50, 177, 371, 00		928, 63			289, 418, 51	50, 338, 85
	1,731	250 438 97	43, 554, 609, 00		1 352 50		_	251, 791, 47	13, 789, 81
	1000	100 729 86	33 518 758 00		1 122 15	107,000	_	102 875 00	22, 715, 85
	600	1.00,010,00	20,000,000		1, 100. 10		_	00 020 071	01,110,00
	Tea. N	142, 500, 33	24, 750, 634, 00	:				142, 500, 33	21, 600, 13
	979	87,587,19	5,667,337.00		358.00	(12, 261, 00		32,945,19 [0, (23) 00
	455	22, 958, 82	3,992,838.00	- 2	86.25	15,000,00		23,045.07	7,00,7
	376	19, 212, 37	3, 341, 282, 00		536.25	93, 261, 00	_	19, 748, 62	3, 434, 54
	0006	11, 571, 46	9,534,167,00		75 00	00 5755 00	_	14,696.46	9, 543, 79
	0000	19,046,00	9 005 197 00		90.00	10,000,00	_	10, 100 00	2,11,10
	e i	16,040.00	00.121,000		9.4	10,000,00		20,100,00	2,111,2
	×	3,740.51	1,694,002.00		97.30	10,000,00		10.867.6	1,704,0
	961	10, 189, 30	1, 772, 052, 00	~	172,50	30,000,00	_	10, 361, 86	.0.202
		8,030,10	1,554,642,00		179.50	30,000,00	_	9,111,69	1,581,64
	113	5 865 12	1,022,500,00		119 95	01 014 00	_	20 200 3	1,046,41
	90	1,00,0	1, 705, 000, 00		1.10.00	. i , : 1 I . W.		0,000,00	1,010,1
	₹.	4,028.18	00.000.000				_	4,028.18	26,787
	12	3, 402. 44	591,729,00	21	115,00	20,000,00		3,517,44	611,72
	100	2,810,33	188, 753, 00		172.50	30,000,00		9, 982, 83	518, 75
	10	9, 797 38	186, 501, 00					9 707 38	05 586
	2	00.000	00,000,000			00 000 21		20.000	00,000
	4.0	2,000,00	458,000,00	1	30.70	19,400.00	200	2, 532, 50	00,000
		1,492.13	259, 500, 00	: : : : : : : : : : : : : : : : : : : :			=	1, 492. 13	5.68 5.88 5.88
	25	1, 328, 25	231, 000, 00				-65	1,328,25	231.00

159, 000. 00 128, 000. 00 152, 000. 00 60, 000. 00	51, 000, 00 84, 500, 09 37, 000, 00	70, 000.00 55, 000.00 80, 174.00 10, 000.00	60, 000. 00 25, 956. 00 15, 000. 00	919, 339, 380, 00
914, 25 736, 00 874, 00 345, 00	293, 25 4.55, 8.8 212, 75 143, 75	402.50 316.25 461.00 57.50	345.00 149.25 86.25	100,070 5,286,201.45
11 12 12 12 12 12 12 12 12 12 12 12 12 1		- 3 6 4	ଓ କ ରୀ	100,020
10,000.00	00 000 01	10,000.00		21, 648, 98 3, 765, 040, 00
57.50	9	57. 50 57. 50 57. 50		21,648.98
1 1				415
1149,000.00 1128,000.00 1142,000.00	8888	55,000.00 70,174.00	60, 000, 00 25, 956, 00 15, 000, 00	40 00
21 22 23 23 23 23 23 23 23 23 23 23 23 23	1 2 E 2 E	38,8,6,	15,86	915,574,340 00
	293.25 283.25 285.88 81,0 21,0 21,0 21,0 21,0 21,0 21,0 21,0		345.00 60,0 149.25 25,9 86.25 15,0	
	243, 20 248, 25 485, 88 212, 75			99, 625 5, 264, 552. 47 915, 574, 3

AUTOMATIC INSURANCE—DEATH AND DISABILITY CASES.

TABLE 3. Age of the insured at date of death or at date of disability.

Number Jayment Amonth of Number			Death.			Disability.	·.		Total.	
10 250	Age	Number.	Monthly payment.	Amount of insurance.	Number.	Monthly payment.	Amount of insurance,	Number.	Monthly payment.	Amount of instrance.
10 10 10 10 10 10 10 10		-	\$95	002.15					525	7
1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,		10	250	15,000				9	250	0.3
1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,		385	006	162,000				3	006	162,0
200 201		26	2,300	411,000				33	2,300	411,0
1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,		500	5, 225	940, 500	_	\$25	81,500	210	5,250	915,0
1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,		313	8, 575	1,543,500	3	950	15,000	323	57 2	1.585.1
1, 2, 2, 3, 4, 5, 6, 6, 6, 7, 5, 6, 6, 7, 5, 6, 7, 6, 7, 6, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7,		505	13.1	1,345,500		35	(3) (10)	201	7.525	1,351,5
17 17 17 18 18 18 18 18		652	5, 975	1 075 500		O(r)	36,000	17.0	6.155	1.11
11		193	127.12	100 100 0	_	95	000.00	655	16,355	116.7
5.18 1.17 1.02 35.01 1.2.5.5.000 1.1.5.5.5.5.000 1.1.5.5.5.5.5.000 1.1.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5		1	15 950	E00 127 c		320	600 89	693	16,300	2.931.0
117 10, 125 1, 575, 500 9 225 10, 500 10 10 10 10 10 10 10		20	19, 950	5 331 OBD		13.	002.01	065	3 995	3.50
1, 372, 500 3, 10, 20, 10, 10, 10, 10, 10, 10, 10, 10, 10, 1		=	10, 102	1,500		100	20 500	1.36.1	10.650	1 101
180		3113	100	1 279 500		006	(HW) 55.	120	100	5
180		600	110	1007 010		1 1 1	1.0 500		121	10.0
1.53		95	1,500	210,000		32	000,00	200	1,650	
10		2 3	111111111111111111111111111111111111111	COD COD		Title	0.0 500			100
10		2 1	070.4	225, 500		87	22,000	23	7.0	ot c
1, 2, 400		99	2,020	472,000		3 6	100,000	()		
3.1 1,025 14,500 1 25 4,500 33 10,500 33 33 33 33 33 33 33		g :	100,7	4.42, 000		3	1, 500	, -	2, 420	130,
10		7	1,020	181,500	:			7	1,020	121
100		37	625	166,500		52	1,500	á	620	171,
21 600 108,600 3 75 18,500 27 605 15 400 120,600 1 20 4,500 17 425 15 87,600 1 25 4,500 1 25 400 17 31,500 2 4,500 1 25 4,600 1 18 325 88,500 2 4,500 1 25 4,600 1 18 325 88,500 2 4,500 1 1 25 4,500 1 19 220 88,600 1 25 4,500 1		3.5	113	139,500	_	00	9,000	22	- 58	7.7
100 100		57	505	108,000		19	13, 500	77	615	121.
10		57	909	108,000		100	18,000	3 1	90.	126,
15 175		9	400	72, 000		55	006,4	12	452	.9.
15 175 180 1 25 1,500 15 25 1,500 15 25 1,500 15 25 25 25 25 25 25 25		25	625	112,500				255	1250	112.
13 325 54,500 2 5,0 9,000 13 325 5,5 5,0 1,500 13 325 5,5 5,0 1,500 13 325 3		2	375	67,500		255	1,500	=	(KF	?i
13 325 58,500 1 25 4,500 15 225 1,500 15 225 1,500 15 225 1,500 15 225 1,500 10 225 225 1,500 10 225		-	175	31,500		95	600.6	σ.	.567	107
N		23	325	58 500				- 22	22.22	15
X 200 36,000 1,500 9 225 3,500 9		7	927	GE 13	-	56	100. 1	10	13	9
10 250 45,000 10 250 125 125 125 125 125 125 125 125 125 125		×	006	36,000	-	3 15	905	3	57.6	=
5 125 22,500 6 150 27,000 8 200 36,000 9 225 40,500 9 225 40,500 9 225 40,500 9 225 40,500 9 225 40,500 9 225 225 40,500 9 225 225 40,500 9 225 225 40,500		2	926	45,000	•	2		- 3	950	
8 200 27, 000 1 25 4,500 7 175 200 200 200 200 200 200 200 200 200 20		g en	25	99,500				i s	257	(4)
225 31, 500 25 41, 500 25 225 31, 500 25 225 31, 500 25 225 31, 500 25 31, 50		9 0	64	(MAX 127		4.5		1 :	111	1 -
9 225 40,500 9 225 7 175 31,500 7 1 175 9 225 40,500 9 225		00	Oran.	24,000	-	3	4, 500	- 0	COL	. 92
255 27 7 175 31,500 7 175 175 175 225 40,500 9 225			NU.S	000,000				0 :	000	, o.
9 225 40,500		201	622	40,500				5		- 4C,
9 225 9 30,500		- :	071	31,500				-	91	31.
		5.	572	40,500				э .	277	,0,

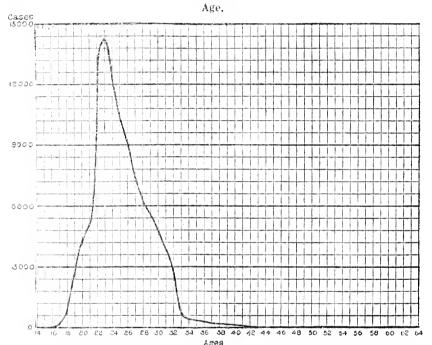
CONTRACT AND AUTOMATIC INSURANCE—DEATH AND DISABILITY CASES.

Table 4.—Age of the insured at date of death or at date of disability.

		Peath.			Disability.	у.		Total.	
Age.	Number.	Monthly payment.	Amount of instrance.	Namber.	Montbly payment.	Amount of insurance.	Number	Monthly payment.	Amount of insurance.
11.	51	\$82.50	\$14,500.00				C1	842, 50	\$14,500,00
15	Ξ	307, 50	55,000,00				=	307.50	55,000,00
	9.	1,705,04	302,007,00	_	12.73%	85,000,00		1, 733, 79	307,007,00
17	11	6, 279, 00	1, 106, 000, 00	÷1	86.25	15,000,00		6,365,25	1, 121, 000, 00
	5	37,695,64	6, 577, 567, 00	1~	370, 00	64, 500, 00		38,065,61	6, 652, 068, 00
9	2, 705	192 X5X X51	22, 636, 340, 00	ä	1,055.00	185,000,00	12.5	130, 913, 43	22, 821, 340, 00
	4, 224	208, 419, 21	36, 291, 191, 00	~	770,00	134, 217, 00		200, 182, 74	36, 425, 411, 00
21	5,14	260, 725, 74	45, 379, 977, 00	157	1,056,35	184, 936, 00		261, 785, 15	45, 561, 913, 00
	11.11	574,010,33	99, 921, 549, 00	iĝ.	2,263, 10	396, 678, 00	_	576, 273, 93	100, 321, 227, 00
	14, 199	733, 088, 43	127, 590, 727, 00	13	3,080,69	537, 902, 00	_	736, 169, 12	00,659,651
	12,357	640, 460, 01	111, 463, 176, 00	_	2, 191, 25	382, 761, 00		642, 651, 26	111 845 987.00
	10,282	531,001,81	92 933 337 00	43	2,013,95	351 500 00		536 015 06	CO 157 170 20
	501.0	0 000	83 609 893 00	2	100	219 951 00		180 218 75	00 PM 000 0
	28.4	388 461 04	67, 589, 333, 00	1 2	0 11:	265 284 00		200 576 04	00 101 100 00
	- 4	227 506 02	50 144 954 00		02.02.0	000 011 00		22 100 00	00.10.100.00
	-	22 400 000	11,000 11,000	4 5	00.072.	222, 214, 00		05, 100, 100	OO .17+ '000' .50
20	+ 60.	020,034,00	00.176,000,16	62	1,055,155	141,000,00	0,463	231, 147, 51	51.151.51.00
901	7.53	255, 0055, 97	11.02, 102.00	5	0727	217, 117, 00	19X +	251, 491, 47	1, 255, 719, 00
91.	3, 13,	195, 132, %	33, 950, 758, 00	£.	1, 158, 13	201, 566, 00	3,768	196, 290, 99	31, 152, 324, 00
0.40	77, 177	113, 3.0. 98	21, 941, 191, 00					113, 375, 99	21,941,194,00
	25	33, 512, 19	5, 833, 837, 00	с.	383.00	66, 761, 00		33,895,13	5, 900, 508, 00
34.	ž	23, 733, 82	4, 132, 338, 00		136, 25	21,000,00		23,870,07	1, 156, 338, 00
35.	9	19, 812, 37	3, 449, 282, 00	Ξ	611.25	106, 761, 00		20, 423, 62	3, 556, 043, 00
36.	7.	15, 171, 46	2,642,167.00	13	155,00	27, 565, 00	_	15,326,46	2, 669, 732, 00
34.	543	12, 146, 98	2, 167, 127, 00	ee	117.00	20,500,00	_	12, 563, 98	2, 187, 627, 00
38	212	10,365,51	1,806,502.00	-	57.50	10,000,00		10, 123, 01	1, 816, 502, 00
39.	112	10, 564, 30	1,839,552,00	7	197, 50	31, 500, 00		10, 761, 80	1,871,052,00
40.	7	9.114.19	1,586,142.00	ဗ	222, 50	39,000.00		9, 336, 69	1, 625, 142, 00
41	126	6.210.13	1,082,000.00	¢0	143, 25	21, 914, 00		6, 353, 38	1, 106, 914, 00
42	201	1,978, 13	868, 500, 00	_	25, 00	1,500,00		5,003,13	873,000,00
	19	3,602,41	627, 729, 00	::	110,00	21,500,00	_	3,742,41	652, 229, 00
41	13	3,000,33	533, 753, 00	က	172, 50	30,000,00		3, 232, 83	563, 753, 00
45	99	2, 922, 38	509,001,00					2, 922, 38	509,001,00
46	99	2,956,00	515,000,00	5.5	111.25	19, 500, 00	8	3,067,25	531, 500, 00
47.	36	1, 692, 13	295, 500, 00				52	1, 692, 13	295, 500, 00
48.	34	1,553,25	271, 500, 00					1,553,25	27, 300, 00
49	88	1,560,75	272, 500, 00	_	11.50	2,000,00		572 35	274 500.00
20.	85	1,081, 75	189, 500, 00	-	57, 50	10,000,00	17	1.139.25	199 500.00
	55	886.00	155, 000, 00 1				200	886.00	155,000.00

												3	IIL
156, 500, 00	60,000.00	93, 500, 00	50, 500, 00	52,000.00	88,000,00	55,000.00	89, 174, 00	32, 500.00	64, 500.00	25, 956, 00	19, 500, 00		941, 749, 380, 00
899,00 930,00	343, 25	535, 88	287, 75	293, 75	502, 50	316, 25	511.00	182, 50	370.00	149. 25	111, 25		105, 050 5, 410, 701, 45
- 61	x	12	x	6	11	9		æ	1-	Ţ	c:		
10,000,00				10,000.00	10,000,00		10,000.00	11, 500, 00					24, 648, 98 4, 305, 040, 00
27.55				57, 50	57.50		57, 50	82.50					
				1	_		-	C1					595
146, 500, 00	60,000,00	93, 500, 00	50,500,00	42,000.00	78,000,00	55,000.00	79, 174, 00	18,000.00	64, 500, 00	25, 956, 00	19, 500, 00		937, 441, 340, 00
N41. 50	343.05	S. 525	287, 75	236, 25	445,00	316, 25	453, 50	100,00	370.00	149, 25	111.25		5, 386, 052, 47
<u>«</u> «	2 7	- 62	2	7	2		2	7	-1-		. 65	:	104, 485
	55	O4	50.		0.1	20.	20. EO	000.	20	0.6.	000		Total.

A study of the age incidence of war mortality and disability is most instructive. Tables 2 and 3 show the age composition of the insured at the date of death, or, in case of permanent and total disability, the date of disability. The first table presents the number of cases in which contract insurance has been awarded, the monthly payments, and the amount of insurance involved in each age group. The second table gives the number of cases in which automatic insurance has been awarded and the monthly payment in each age. The amount of insurance involved where protection has been automatically given is taken as \$4,500 for each case. Table 4 combines



Phagram 6. - Age of insured at death or at disability; the total number of contract and automatic insurance claims awarded.

the previous two tables, eliminating the contract and automatic insurance separation. It is this table that is used as the basis for the age study.

The age characteristics of the insured constitute those of a very special group which was largely fixed at the outset and consequently the study will not be comparable with any age distribution of the general population. The arbitrary choice of men between the ages 21 and 31 by the selective draft largely determined the frequency distribution.

It will be observed that the class of persons receiving insurance showing maximum mortality incidence is comprised of those dying between ages 19 and 32 inclusive, which, in view of the fact that the age is at the nearest birthday, means those persons in the 14 years of life included between the ages 18½ and 32½. Only about 5,000 of the insured were outside these age limits. This age distribution is shown graphically in diagram 6. The sharp drop comes after the cen-

```
Age.
     Per cent
Age.
     of total.
       0.00
14.....
15.....
        . 01
        . 05
16.....
        . 17
17. . . . . . .
        . 81
18.....
        2.60
19.....
       4.04
20.....
21.....
       4, 92
       10,64
22.....
23.....
       13, 59
       11.82
21.....
                                  一种人民工工作,不是一种人民工工作
25. . . . . . . . .
        C 79
26.....
        7.07
27.....
28.....
        6.13
        5.37
29.....
              4, 63
30.....
        3,58
31.....
        2.59
32.....
        . 64
33.....
        . 47
34.....
        . 39
35.....
        . 30
36.....
        . 24
37.....
        . 20
39....
        . 20
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40.....
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        . 12
42.....
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        .01 1
58.....
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59.....
        . 01
60.....
        .01
61.....
        .01
62....
        . 01
63.....
        .00
```

DIAGRAM 7.—Ages of the insured at time of death or disability; the total number of contract and automatic insurance claims awarded is considered.

64.....

.00

tral age 32, as the fighting forces were largely composed of drafted men. The question arises as to why the sharp downward turn comes at this age group rather than at that of age 30%. The explanation lies in the fact that nearly a year and a half clapsed between the date of the first registration, June 5, 1917, and the time of the greatest mortality in October, 1918. The 10 years of life represented in the draft therefore affected the age distribution of the deceased until the central age 32. The insured over 324 years of age were almost exclusively officers and members of the Regular Army or the National Guard with a sprinkling of men of the second and third drafts. The arithmetic mean or average age of the 104,485 insured who died was 25 years and 4 months. The median age was 24 years and 8 months. The frequency distribution shows the age 23 as the point of maximum incidence of mortality. A curve based on smaller groups than that of diagram 6 would indicate the modal age more clearly. The relationship here between the mean age, the median age and the modal age is the one which is usual in cases of asymmetrical distributions, where groups increase rapidly on the left of the maximum point and decline more slowly on the right side. The 565 insured who received disability awards were about a year older on the average than the age of the death group.

Diagram 7 shows on a comparative scale the age distribution as well as the percentages. This grouping of ages more clearly indicates those groups comprising the largest number of deaths and disabilities and of those groups emphasizes the group in the twenty-third year.

III. RELATIONSHIP OF THE BENEFICIARIES TO THE INSURED.

The composition of the different groups of beneficiaries receiving insurance is analyzed in Table 5 which shows the number in each group of single beneficiaries and in each group of combinations of beneficiaries together with the monthly payment and the amount of insurance involved.

The groups of beneficiaries receiving contract insurance are presented in a comparative manner by means of diagram 8. Restriction of the class of beneficiaries probably had little effect upon the choice by the insured.

The automatically insured person had no choice of beneficiary, the class and order being prescribed by law. Hence the study in diagram 9 indicates the surviving widows, mothers, fathers, and children.

A combination of diagrams 8 and 9 gives the diagram 10 which illustrates comparatively the beneficiaries for the entire mortality experience. It indicates that the group of mothers who are single beneficiaries is almost as large as the sum of all other groups. The group of fathers is second in size. That the group of wives occupies third place is indicative of the fact that the greater per cent of the insured were unmarried.

The group of mothers who are single beneficiaries as compared with the groups in which the mothers appear in combination with other beneficiaries is presented by means of diagram 11. It brings all the mother-beneficiary groups from diagram 10 together for comparison with each other. The sum of all these groups shows that the number of cases in which the mother is a beneficiary is more than all the other cases together, as illustrated in diagram 12. The group of father-beneficiaries in comparison with all others is shown in diagram 13.

CONTRACT AND AUTOMATIC INSURANCE-DEATH AND DISABILITY CASES.

Table 5.—Relutionship of the beneficiary to the insured.

		Contract-Death.	eath.	V	Automatic—Death.	eath.		Total—Death.	th.
Relation of beneficiary.	Number.	Monthly payment.	Amount of inshrance.	Number.	Monthly payment.	Amount of insurance.	Number.	Monthly payment.	Amount of insurance.
1111	9,0	07 200 2020	00 640 010	9.7.7	010 701	00 000 000	100 001	000	000000000000000000000000000000000000000
WIEGO Sect 1 ability	27.5	55, 200, 42	331, 340, 073, 00	6003	\$10, (25, 00)	99, UTO, 5000, UD	10,61	Soll, 950, 42	594, 300, 573, 00
Wife and more than I child	6.3	2,52,5	011 013 008 00				58	3,084,63	1,675,588.00
Wife and mother	1.024	56, 189, 63	9, 772, 004, 00				1.00.1	56, 189, 03	9.779.004.00
Wife and sister	+/	3, 902. SS	678, 762, 00					3, 902, 88	678, 762, 00
Wife and brother	23	1,070.81	186, 228, 00				<u> </u>	1,070.81	186, 228, 00
Wife and others than above	318	17, 297, 98	3,008,344.00	1				17, 297, 98	3,008,344.00
Child, 1 only	309	15, 711. 8S	2, 732, 500.00	7	1,025.00	184,500.00		16, 736, 48	2, 917, 000.00
Children, more than 1	111	5,806.54	1,009,833.00		425.00	76,500.00	_	6, 231.54	1,086,333.00
Mother	46,375	2, 447, 069, 41	425, 577, 287, 00		88, 025, 00	15, 844, 500, 00	_	2, 535, 094, 41	441, 421, 787.00
Mother and child.	F2:	2,932.50	510, 000.00				ī.	2, 932, 50	510,000.00
Mother and more than I child	13	690.00	120,000.00				12	690.00	120,000.00
Nother and father	5,950	327, 969. 84	57,038,233.00				926,	327, 969. *+	57, 038, 233, 00
Mother and sisler	926	49, 972.38	8, 690, 849, 00	:			926	49, 972, 38	S, 690, S49.00
Mother and Drother	369	20, 309, 89	3, 532, 155.00				595	20, 309, 89	3, 532, 155. (0)
Mother, Sixier, and Orother	£ 3	2,008.15	879,762.00				£ ;	2,008.53	879, 762, 00
Modner and others than above	##6 11	01, 297, 58	8, 921, 285, 00	613	15 200 00	00 000 00 6	10 944	050, 726, 68	8, 921, 283, 00
Father and others than above	130,1	56, 905, 05	10, 050, 107, 00	010	10, 000, 00	2, (114, (1007, 17)	100.1	50, 400, 150	10, 241, 340, 00
Grandmother	130	18, 389, 75	3, 197, 000, 00				364	18,389,75	3, 197, 000, 00
Grandfather	115	5, 824, 76	1,013,002.00				115	5, 824, 76	1, 013, 002, 00
Sister	7,244	369, 228, 24	64, 213, 607.00				7, 244	369, 228, 24	64, 213, 607, 00
Brother	3,930	201,387.19	35, 023, 859, 00				3,930	201,387,19	35, 023, 859, 00
Other combinations of relatives	2,442	130, 022, 11	22, 612, 541.00				2, 442	130, 022. 11	22, 612, 541.00
Total death.	99,625	5, 264, 552, 47	915, 574, 340, 00	008.7	121,500.00	121, 500, 00 21, 870, 000, 00	104, 485	5, 386, 052, 47	937, 444, 340, 00
isability (beneficiary, s	4+5	21, 648, 98	3, 765, 040, 00	130	3,000.00	540,000.00	565	24, 648, 98	4, 305, 040.00
Total death and disability	100,070	5, 286, 201. 45	919, 339, 380. 00	4,980	124, 500.00	124, 500. 00 22, 410, 000. 00	105,050	5, 410, 701. 45	941, 749, 380.00

Contract Insurance Beneficiaries.

	cent otul.	
Mother.:	46, 6	· · · · · · · · · · · · · · · · · · ·
Father	17.7	A CONTRACTOR OF THE PROPERTY O
Wife.	10.0	e of an
Sister.	7.3	
Mother and father	6, 0	
Brother	3, 9	
Father and other	1.1	
Wife and mother	1.0	3
Mother and others	. 9	t
Mother and iter	. 9	
Mother and brother.	. 1	1
Grandmother	. 4	i
Wife and others	. 3	I
Child	.3	1
Wife and child	. 2	1
Grandfather Other combinations of rela-	. 1	1
tives	2, 9	ì

DIAGRAM 8. Number of awarded claims in death cases under contract insurance showing relationship of beneficiary to the insured.

Automatic Insurance Beneficiaries.

	Of t	cent otal.	
Mother			A THE STATE OF THE
Wife		13, 8	144
Father		12,6	Set Set Set
Child		. \	
Children		. 3	

Diagram 9.—Number of awarded claims in death cases under automatic insurance showing relationship of beneficiary to the insured.

Contract and Automatic Insurance Beneficiaries.

Per cen total nur		
Mother	47.8	HOME WILLIAM TO THE STATE OF THE STATE OF
Father	17, 5	
Wife	10.1	
Sister	6.9	
Mother and father	5, 7	
Brother	3.5	
Father and others	1.0	
Wife and mother	1.0	
Mother and others	. 9	
Mother and sister	. 9	3
Mother and brother	. 4	
Grandmother	.3	1
Child	. 3	
Wife and others	. 3	
Wife and child	. 2	1
Children	. 1	1
Grandfather	. 1	{
Other combinations or relatives	2. 7	1

Diagram 10.—Number of awarded claims in death cases under contract and automatic insurance showing relationship of beneficiary to the insured.

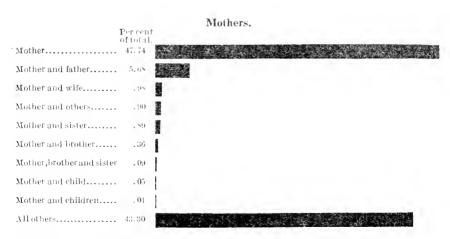


Diagram 11.—A comparison of the number of cases in which the mother of the insured is the beneficiary and is a joint beneficiary in awarded death claims for contract and automatic insurance.

The father and mother group is duplicated in these two representations. The group of wife-beneficiaries in comparison with all others is illustrated in diagram 15. This group overlaps the group given in diagram 12, in that both groups include the group of wives and mothers as joint beneficiaries. By means of diagram 14 these three groups of beneficiaries are brought together with the combination of the three in comparison with the remaining beneficiary groups combined.

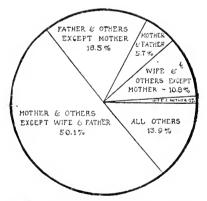
Beneficiaries.



Dividean 12.—Cases in which the mother of the insured is the beneficiary or is a joint beneficiary compared with all other cases in awarded death claims for contract and automatic insurance.



Diagram 13.—Cases in which the father of the insured is the beneficiary or is a joint beneficiary compared with all other cases in awarded death claims for contract and automatic insurance.



DIMERM 11.—A comparison of the number of cases in which the mother, the wife, and the fither of the insured are beneficiaries in awarded death claims for contract and automatic insurance.

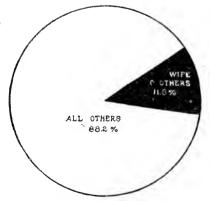


Diagram 15.—Cases in which the wife of the insured is the beneficiary or is a joint beneficiary compared with all other in awarded death claims for contract and automatic insurance.

IV. POLICY AMOUNTS.

The table showing the amounts of the policies chosen by the men upon entering the service to insure themselves against death or disability affords a very interesting study. Table 6 presents the various policy amounts applied for upon which monthly payments are being made, together with automatic insurance granted.

CONTRACT INSURANCE-DEATH AND DISABILITY CASES.

Table 6.—Monthly payments and amount of insurance by policy amounts.

		Death.			Disability.	.y.		Total.	
Amount of policy.	Number.	Monthly payment.	Amount of insurance.	Number.	Monthly payment.	Amount of insurance.	Number.	Monthly payment.	Amount of insurance.
81,000.	259	\$1,489.25	\$259,000.00	-	\$5.75	\$1,000.00	260	\$1,495.00	\$260,000.00
\$1,500	6.	77.63	13, 500, 00					77.63	13, 500, 00
\$2,000	57.4	6,601.00	1, 148, 000, 00	#Ţ!	46.00	8,000.00	578	6,647.00	1, 156, 000, 00
\$2,500	6	1,322,50	230, 000, 00	_	14.38	2,500.00		1,336.88	232, 500, 00
\$3,000	372	6,417.00	1, 116, 000, 00	5	86.25	15,000.00		6, 503, 25	1, 131, 000, 00
\$3,500.	13	261.62	45, 500, 00				13	261.62	45, 500.00
84,000	199	4, 577, 00	796, 000, 00				199	4, 577, 00	7.96, 000, 00
00°, T&	4	1, 164, 38	202, 500, 00				<u>-</u>	1,164.38	202, 500, 00
8.5,0000.	13, 150	378, 052, 50	65, 750, 000, 00	x	2,415.00	420,000.00	13, 234	380, 477, 50	66, 170, 000, 00
\$5,500	œ	253.00	44,000,00				œ	253.00	41,000.00
\$6,000	398	9,039,00	1,572,000.00	-	34, 50	6,000,00	263	9,073,50	1, 578, 000, 00
86,500	-	411.12	71,500.00					411.12	71,500.00
000,78	196	7,889,00	1,372,000.00	≎4	80.50	14,000.00	198	7, 909, 50	1,386,000.00
87,500	114	4, 916, 25	855,000,00	C.I	85, 25	15,000.00	116	5,002.50	870,000.00
\$8,000	27.4	12,604.00	2, 192, 000, 00	0.1	92.00	16,000.00	276	12, 696, 00	2,208,000,00
88,500	10	244.38	12, 500, 00				10	244, 38	42, 500, 00
89,000	35	3,001.50	522,000.00				8	3,001.50	522,000.00
95,300	C1	109, 25	19,000.00					109.25	19,000.00
\$10,000	97.82 87.82	4, 821, 145, 00	838, 460, 000, 00	308	17, 767, 50	3,090,000.00		4,838,912,50	841, 550, 000, 00
Odd policy amounts	136	4,967.09	863, 840, 00	34	1,020.85	177, 540, 00	170	5,987.91	1,041,380.00
Total contract insurance	99,625	5, 264, 552, 47	915, 574, 340, 00	17	21,648,98	3,765,040.00	100,020	5, 286, 201, 45	919, 339, 380, 00
Automatic insurance, 84,500	4,860	121, 500, 00	21,870,000.00	120	3,000.00	540, 000, 00	920	124, 500, 00	22,410,000.00
Total contract and automatic insurance	104, 485	5, 386, 052, 47	937, 441, 340, 00	595	21,648.98	21,648.98 4,305,040.00	105,050	5, 410, 701. 45	941, 749, 380. 00

The amount of insurance is given for each policy. The most noticeable feature in the study of this table and of diagram 16 which follows is the striking predominance of \$10,000 policies. In fact, the \$10,000 and the \$5,000 policies constitute about 93 per cent of the total number. That the insured chose maximal policies was largely due to the personal dangers into which they believed service would lead them. In addition premiums were low and were deducted from pay rather than paid in cash.

The group of odd policy amounts as shown in this diagram is made up of policies in force not in the amount of multiples of \$500. In event of insufficient premium payments on the part of the insured, the amount of the policy awarded has to be reduced from the amount

Policy Amounts.

Contract. Automatic.

Total policies.....

\$10,000 policies.....

\$5,000 policies.....

\$2,000 policies...... \$2,000 policies.....

\$8,000 policies...... \$6,000 policies......

Per cent

of total.

100, 0

80.1

12.6

. 3

		•
\$2.500 policies	. ì	1
Odd policies	.3	1

Automatic insurance \$4,500.... 4.8

Diagram 16.—Amounts of insurance, contract and automatic, on which claims have been awarded for death and disability.

of the policy applied for. These incorrect payments of premiums are largely due to the misstatement of ages by the applicants. In most instances the misrepresentations were entirely the result of carelessness or an actual want of exact information on the part of the applicant. There seems to have been inadequate knowledge of the exact birth years on the part of the insured and the true ages in many instances have not been ascertained until birth certificates have been sent to the bureau. In cases of excess of premiums paid the overpayment is refunded.

The average policy upon which claim for contract insurance has been awarded on account of death is \$9,190 involving the average monthly payment of \$52.84. The average policy upon which a disability claim has been awarded is \$8,461 with an average

monthly payment of \$48.65.

V. DURATION OF POLICIES.

The duration of a policy or the length of time the insurance has been in force is the length of time from the date the policy became effective to the time the death or the permanent total disability occurred. The following table gives the durations of the policies by months and the monthly payments with the amount of insurance involved in each group.

Those policies for which the duration is indicated as less than one month include all those in which the death or disability occurred in the same calendar month as that in which the insurance was granted. When the duration is recorded as one month it is to be understood that the insured died or was disabled in the month

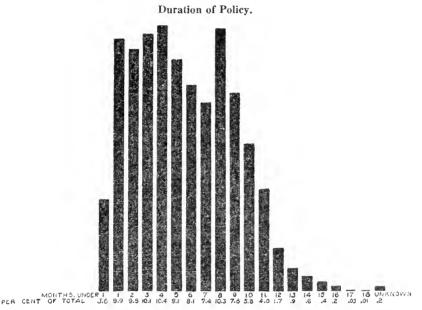


Diagram 17.—The length of time contract insurance was in force in cases for which death and disability claims have been awarded.

following that in which his policy became effective. The other durations are to be interpreted in a similar manner. The reduction of these comparative groups to graphic form brings out a number of facts. An average of five and one-half months elapsed between the taking out of insurance and death, and four months and 21 days between the taking out of insurance and permanent total disability.

The maximum grouping is toward the policies of shorter duration, from 1 month to 10. This may be explained by the fact that contract insurance had been in effect for so brief a period before the maximum mortality incidence. The group representing eight months duration is significant. The time limit in which contract insurance might be applied for by men in the service prior to October 15, 1917, expired February 12, 1918. The time limit, however, was extended later to April 12, 1918. The maximum mortality incidence was in October, 1918.

CONTRACT INSURANCE—DEATH AND DISABILITY CASES.

Table 7. - Length of time insurance was in force.

		Death.			Disability	·.		Total.	
Duration.	Number.	Monthly payment.	Amount of instrance.	Number.	Monthly payment.	Amount of insurance.	Number	Monthly payment.	Amount of insurance.
oce than 1 month	1000 1	20 102 0713	100 total 110 total	9	900	1000		1	
month	- 257.3 - 257.3	047,046,36	93, 399, 391, 00	1 6	2, 757, 13	479,000,00	200	530, 502, 15	652, 619, 504, 30 63, 77, 709, 93
2 months	9,406	504, 853, 17	N, NIO, 551, 00	99	2, 735, 44	475, 720, 00	504.0	19 770 105	5 70 50 7
months	9,03	550, 935, 35	95, 814, 843, 00	96	2,343, 13	497, 501, 90	10, 139	553, 278, 45	96, 999, 344, 00
months	10, 426	91.654,655	99, 215, 506, 00	25	2,760.00	180,000,00	10, 479	573, 249, 16	99, 695, 596, 00
months	9, 151	492, 509, 55	5,653, 66.30	S	1,351.25	235, 000, 00	9, 179	493, 761, 10	N. N. 186, 011
months	- CFO X	425, 981, 00	74, 083, 652, 00	Š	1,361,00	240,000,00	920%	427,361.00	74, 323, 652, 00
months	-1,344	381, 122, 04	66, 282, 093, 00	34	1,727.5	300, 501, 00	1.87	382, 419, 92	66, 582, 594, 00
months	E, 270	512,008, 71	89,044,993,00	17	977.50	170,000,00	19, 387	512, 986, 21	89, 214, 993, 00
months	三 子 ::	398, 203, 98	69, 252, 866, 00	15	1,322,50	230,000,00	×98.	399, 526, 48	69, 182, 866, 00
h months	5,746	257, 125, 91	51,674,071.00	7	586, 50	102,000,00	5,760	297, 712, 41	51, 776, 071, 00
I months	4,630	259,649,39	36, 460, 763, 00	13	690,00	120,000,00	1,043	210, 339, 39	36, 17, 763, 00
2 months	1, 133	26, 561, 45	15, 575, 904, 00	10	55.8.7J	45, 990, 00	1,740	89, 720, 20	15,620,904,00
13 months.	ヹ゙゙゙゙゙゙゙゙゙゙ヹ	45, 258, 26	7, 571, 002.00	-	172.50	30,000,08	49	45, 430, 76	7, 901, 002, 00
4 months.	292	2,27.4	4, 918, 306, 00	-	230, 00	49,000,00	:90:	25,511.41	4,957,506,00
La months.	12	06.629.7	3, 180, 087, 00	_	57, 50	10,000,00	326	18,343,00	3, 190, 087, 00
b months	39	97.18.7	1, 460, 503, 00				<u>89</u>	5 108 V	1, 460, 503, 00
Li months	=======================================	1, 598, 50	278,000,00				-	1,598,50	278,000.00
Smonths	22	12/10	125,000,00				=======================================	718.55	125, 000, 00
Эптайон инключи.	137	5,964.00	1,037,219.00	ž	1,298.40	225, 808, 00	166	7, 262, 40	1, 263, 027, 00
Total	99,635	5, 264, 552, 47	915, 574, 340, 00	12	21,648,98	3, 765, 040, 90	100,070	100, 070 5, 246, 231, 45	919, 339, 380, 00

Upon some policies it has been impossible to determine the duration. In some instances there is no date on which insurance was granted, and in some the date of death was unknown. The former condition arises when applications were cabled, when applications were made on board transports, and when applications were made in trenches before regular forms were available. Some of these applications where the date is lacking were made by men immediately before "going over the top." They consist of the simple statement "the undersigned desires war risk insurance," followed by the policy amount, the beneficiary, the signature and the witness' signature. There is one instance of a soldier writing on the wall of a dugout his insurance application. A photograph of this application was taken and sent to the bureau.

VI. DATE OF DEATH OR OF DISABILITY OF THE INSURED.

There were 1,339 deaths and 28 disabilities occurring before February, 1918, which were covered by contract insurance. There were 1,363 deaths and 25 disabilities covered by automatic insurance which occurred before October, 1917. These results are obtained from tables 8 and 9. Seventy-two per cent of the deaths and 76 per cent of the disabilities which occurred in the period from October 6, 1917, to February 12, 1918, were not covered by contract insurance and automatic insurance awards have been made. There is no question but that more cases would have been covered by contract insurance had not the automatic privilege been provided, but the advantage of this overlapping period need not be pointed out, as the foresight of those who framed the law equalizing the opportunity for protection among all who served can not fail to be appreciated.

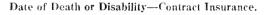
The above discussion makes it clear why the death and disability dates are presented according to whether contract insurance awards or automatic insurance awards have been made. Diagram 18 shows that nearly 43 per cent of the deaths and disabilities covered by contract insurance occurred in October, 1918, while diagram 19 shows that nearly 45 per cent of the deaths and disabilities covered by automatic insurance occurred in the months of December and January. The causes of these deaths and disabilities will be treated

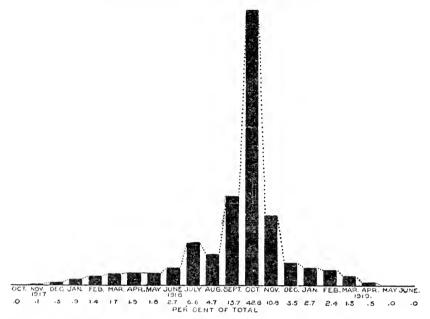
elsewhere

The preceding table brings all deaths together and all disabilities together occurring in each month. This affords the basis for diagram 20 which shows the mortality experience under observation by months. The increase in the death rate during the first winter of encampment of unseasoned soldiers is illustrated together with the enormous increase for the month of October. Diagram 21 illustrates in the same manner the distribution of the disabilities by months. Though the group is small it is of interest to know that the months of February and March, 1918, were those in which the greatest number of disabilities were incurred, and that the October group is third in size.

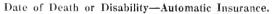
It has also been considered desirable to bring the percentages of deaths and the percentages of disabilities together for each month

for comparison as has been done in diagram 22.





DIGERM IS.—Awarded claims of contract insurance distributed according to the months in which the death or disability occurred. Payments are made as of the day following the date of death or disability.



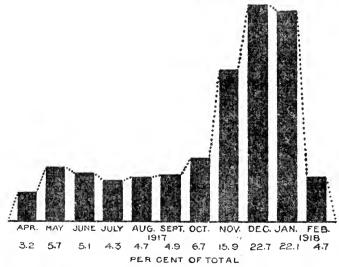
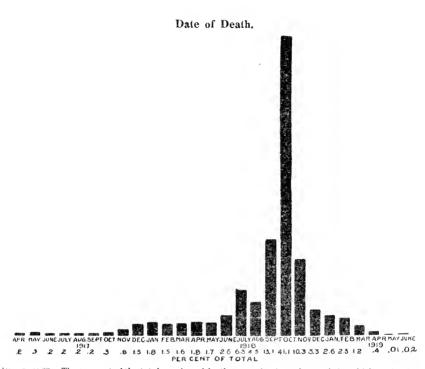


DIAGRAM 19.—Awarded claims of automatic insurance distributed according to the months in which the death or the disability occurred. Payments are made as of the day following the date of death or disability.



Diversam 20.—The per cent of the total number of deaths occurring in each month for which contract and automatic insurance claims have been awarded.

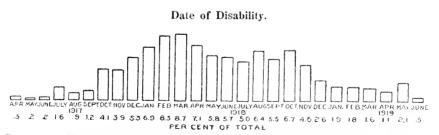


DIAGRAM 21.—The per cent of the total number of permanent total disabilities occurring in each mouth for which contract and automatic insurance claims have been awarded.

CONTRACT INSURANCE—DEATH AND DISABILITY CASES.

TABLE 8.- Date of death or disability.

		Death.			Disability.	·.·		Total.	
Date.	Number.	Monthly payment.	Amount of insurance.	Number.	Monthly payment.	Amount of insurance.	Number.	Monthly payment.	Amount of insurance,
Detaber November December	80 42 44	\$140,00 2,817,50 22,137,76	\$24,345.00 490,000.00 3,550,045.00	10 4	\$255, 00 365, 00	\$44,345,00 25,696,00	2 4 a	\$140.00 3,072.50 22,302.76	\$24,345,00 334,345,00 3,875,741,00
January	Ž	41.372.35	7, 195, 226, 00	9	3. 3. 3.	145, 197, 00) - -	42, 207, 43	7,340,423,00
February	128.	N. 159, 60	11,591,631.00	26.9	2,972	343, 000, 00	·	68,624.13	11,934,631.00
Abril	25	5, 192, 45	16, 534, 553, 00		15 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 -	338, 913, 00		9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	16,996,607,00
	195	N9, 207, 43	15, 514, 336, 00		1,405,85	244, 501, 00		90,613.31	15, 257, 637, 00
	2,685	135, 535, 22	23, 571, 341. (0)		1,443.25	251,000,00		136, 978, 47	23, 522, 341, 00
	6, 548	341,011,44	59, 306, 280, 00		12.5	230, 217, 00		342, 334, 86	26, 256, 497, 00
Angust	(6) +	246, 252, 97	42, 826, 604, 00 101, 620, 110, 60		E : 3	320, 000, 00		247, 002, 97	45, 145, 604, 00
October	2,624	25, 1941, 155	348, 537, 663, 00		9 000 00	358, 577, 00		2 293 651.66	397 895 940 00
November	7.	577, 575, 91	100, 447, 985, 90		1,207.00	225, 565, 00		19 57 75	100, 673, 550, 00
December	3,459	9.001.7	32, 130, 583, 00		11 / 11	130, 217, 00		185, 499, 60	32, 260, 800, 00
6161									
January	100	142, 424, 75	24, 769, 520, 00		552, 00	96,000,00	2,746	142, 476, 73	24, ×65, 520, 00
February	2,420	52.757.151	22, 231, 099, 00		463, 73	9,652,00		128, 202, 57	22, 311, 754, 00
March	7,268	67,490,61	11, 737, 503, 00		406.25	70,652,00		5, 65, 65	00 '55' X9' X
April	452	13, 53, 62	4, 127, 590, 00		2.5	13,051		25,912,39	00.7.9,67.1.9
June	Ş 24	1,021.30	15, 000, 00	7 50	15:08	20,000.00	- 12	201.25	35,000,00
	1								
Total	99,652	99, 625 5, 264, 552, 17	915, 574, 310. 00	44.5	21, 647, 98	3, 765, 040, 00	100,020	100, 070 5, 286, 201, 45	919, 339, 380, 00

AUTOMATIC INSURANCE—DEATH AND DISABILITY CASES.

Table 9. - Date of death or disability.

		Death.			Disability.	2.2		Total.	
Pate.	Number.	Monthly payment.	Amount of insurance.	Number.	Monthly payment.	Amount of insurance.	Number.	Montfely payment.	Amount of insurance.
[0]									•
April	155	\$3,875,00	8697, 500, 00	21	850, 00	89 400,00	157	83, 925, 00	\$706,500,00
Mar	名	7, 125, 00	1, 0.00, 500, 00	_	25, 00	4,500,00	- S.		1, 287, 000, 00
June	5255	6,300,00	1, 131, 000, 00		25, 00	1,500.00	253		1, 138, 500, 00
July	204	5, 100, 00	918,000,00	5.	225. 00	10, 500, 00			958, 500, 00
Angust	627	5, 725, 00	1, 030, 500, 00	53	125, 00	22, 500, 00			1,053,000.00
September	238	5,950,00	1,071,000,00	L~	175, 00	31,500,00			1, 102, 500, 00
October.	311	7,775,00	1,399,500.00	R	575, 00	103, 500, 00			1,503,000.00
Novembar	9:1	19, 100, 001	3, 192, 000, 00	-	125.00	76, 500, 00		19, 825, 00	3, 568, 500, 00
December	1,102	27, 550, 00	1,959,000.00	56	650,00	117,000.00	1,128		5,076,000.00
8.61									
	1,082	27,050.00	4, 869, 000, 00-1	67	500.00	90,000,00	1,102	27, 550, 00	4,959,000.00
February	2236	5, 650, 00	1,017,000.00		225, 00	49, 500, 00	125	5, 875, 00	i, 057, 500. 00
Total.	4, 500	121, 500. 00	21,570,000.00	922	3,000.00	510,000.00	1,950	121, 500, 00	22, 110, 000. 00

CONTRACT AND ALTOMATIC INSURANCE—DEATH AND DISABILITY CASES.

TABLE 10. Date of death or disobility.

		Death.			Disability.	. 7.		Total.	
Pate.	Number	Monthly payment.	Amount of insurance.	Number.	Monthly payment.	Amount of insurance.	Number.	Monthly payment.	Amount of insurance.
1917.									
pril	2		\$697, 500, 00	T3 -	\$50,00	59,000,00	157	8,83,8	8706, 500, 00
Aby.	2.50	5,125,00	1,275,346,00		98	4,500,00	5 15	8 332 8	1,38,100,00
ΔΙ	100		00,000,716	. 5	225, 00	40, 500, 00		5, 325, 00	95%,565,00
August	600		1,030,500,00	10	125, 00	22,500,00		5, 650, 00	1, 053, 000, 00
September.	235		1, 071, 000, 00	1~	175, 00	31, 500, 00		6, 125, 00	1, 102, 500, 00
ctoher	314		1,423,447.89	23	575, 00	103, 500, 00		2,450,00	1,527,347.0
Vovember	<u>7</u>		3, 982, 990, 00	33	99	120, 848, 00		18, 507, 50	4, 102, 848, 00
Pecetaber	1,546		7, 763, 045, 00	90	SI5, 00	145, 050, 00		90, 202, 70	5, 954, 741, UG
1918.	919	20 00	19 064 906 00	î	1 22 4 55		200	5	000 00
	1 2 2 2	70 317	12, 004, 220, 00	Ę Ļ	0, 503, 50	253, 500, 00	1, 30,	71, 196, 17	12, 400, 131
est dat)	200	2,192	14, 294, 339, 00	7	2,454,00		1,1	14.6	14, 726, 339, 00
	1,50	95, 781, 74	16, 657, 694, 00	9	1,948,75	335, 913, 00	1,950	97, 730, 49	16, 996, 607, 00
	1,764	89, 207, 43	15,514,336,00	33	1, 405, 88		1,797	90, 613, 31	15, 758, 837, 0
une.	2,685	135, 535, 22	23, 571, 341, 00	32	1, 443, 25	251,000.00	2,717	136, 978, 47	23, 822, 341. 0
uly	6,545	341,011.11	59, 306, 280, 00	ર્લ	1,323,75	_	6,576	342, 334. 46	59, 536, 497.0
August	4,678	246, 252, 97	42, 826, 604, 00		1,840.00	_	1,714	245,092,97	43, 146, 604, 0
september.	13,650	724, 347, 93	125, 973, 553, 00		1,722.13	299, 501, 00	13,681	726, 070, 06	126, 273, 054, 00
)ctober	42, 833	2, 291, 591. 57	398, 537, 663, 00		2,060.09		42,871	2, 233, 651, 66	398, 895, 940.
November	10,7:11	577, 575, 91	100, 447, 985, 00		1,297.00		10,767	578, 872, 91	100, 673, 550, 00
)ecember	3, 120	184, 750, 85	32, 130, 583, 00		748, 75	130, 217.00	3,504	185, 499, 60	32, 260, 800. 0
1919				•					
anuary	2, 735	142, 424. 75	24, 769, 520, 00		552,00	96,000,00		142, 976, 75	24,865,520.0
Pebruary	2,420	127, 828, 82	22, 231, 099, 00		463, 75	80,652.00	2,430	128, 292, 57	22, 311, 751.0
March	1,208	67, 490, 64	11, 737, 503, 00		406.25	70, 652, 00		62, 200, 20	11, 808, 155. 0
\pril\	462	23, 733, 64	4, 127, 590, 00		178, 75	31,087,00		23, 912, 39	4, 158, 677. 0
May	£ °	1,621.50	252,000.00	2:	432, 50	75, 217, 00		2,654.00	357, 217, 00
une	7	80.50	15, 000, 001	**	119,00	ZO, (HX), (R)		201.29	.50, UNU. U
Total	101 485	5, 386, 052, 47	937, 414, 340, 00	565	24, 648, 98	24 648 98 4 305 040 00	105 050	5 410 701 45	941 749 380 00

After the occurrence of a death or disability a certain length of time elapses before a claim for benefits is entered in the bureau. Likewise, after the submission of the claim, a further period of time is required for the obtaining of all the information necessary in the making of an award. Therefore, the payments of insurance are not dispatched for some time after the entrance of the claim. When all pertinent information has been received the award is approved and

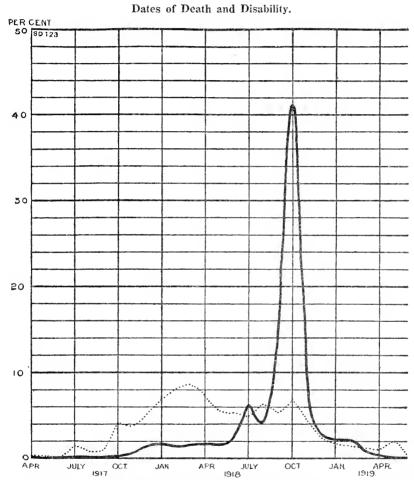
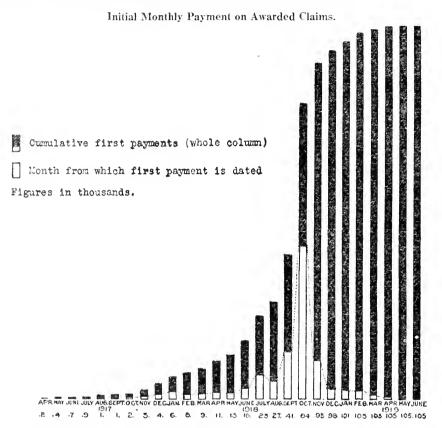


Diagram 22.—Percentages of death and percentages of permanent total disability by date of death or disability in awarded claims of contract and automatic insurance.

moneys go out as of the day after the date of death or disability. The first disbursement represents the accrued amount of the insurance due from the beginning date to the time of the approval of the award. Diagram 23 represents the first payments made in the settlement of claims by the months in which the payments are due. It brings together in each month all the first payments which have been made prior to that month, resulting in a total bar for June,

1919, which represents the total number of first payments. All cases on which first payments have been made do not necessarily have payments going out each succeeding month for the reason that awards are sometimes terminated. The number of cases terminated and the reasons thereof are given separate consideration.



Discussed 23.— Cumulative first monthly payments made on contract and automatic insurance on a count of death and disability

VII. ORGANIZATIONS OF THE MILITARY AND NAVAL ESTABLISHMENTS

The organization study for the most part concerns itself with the four principal arms of the service; the Army, the Navy, the Marine Corps and the Coast Guard. Further detail is gained at times by a consideration of all of the organizations of the Army, jointly with the others above mentioned. The Army and Navy include the Army and Navy Nurse Corps respectively, unless otherwise specified. When the separations are made, however, women only are brought into the calculations.

Tables 11 and 12 correlate the death and disability cases awarded contract insurance each month with the organizations of the military and naval forces.

CONTRACT INSURANCE-DEATH CASES.

TABLE 11.--Correlation of date of death with organizations of the Military and Naval Establishments.

		Army.		Y	Vrmy Nurse Corps.	orps.		Marine Corps.	rps.		Navy.	
Date.	Number.	Monthly payment.	Amount of insurance.	Number.	Monthly payment.	Amount of insurance.	Number.	Monthly payment.	Amount of insurance.	Number.	Monthly payment.	Amount of insurance.
1917.												
October November	6 9	\$110,00	\$21,348,00			, , , , , , , , , , , , , , , , , , ,				7.5	\$258.75	\$45,000.0K
December	505	20, 335. 13	3, 536, 541.00	ಣ	\$172.50	\$30,000.00	÷1	\$115.00	\$20,000.00	60	1,515.13	263, 501.00
1310.												
January	<u>શ</u> િ	36, 193, 09	6, 291, 450, 00		111111111111111111111111111111111111111		10	258, 75		101	1,834,16	840, 776, 00
reprusty	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	62, 949, 25	10, 0, 8, 130, 00		57.50	10,000.00		125.50		X.1	8, 190, 88	1, 424, 501, 00
\pril	1.67	84, 974, 61	14, 778, 193, 00		15	5,000.00	5.5	2,622,00	456,000,00	25	N. 156. 38	1,048,003,00
May	1,631	82, 957. 18	14, 427, 336, 00	=	230.00	40,000,00		879, 75		111	5,054.25	879,000,00
June	1,720	7,8±.66	15, 277, 331, 00	4	201.25	35,000.00		39, 476, 28		3	7, 955, 53	1,383,570.00
America	6,169	9.50 F26	56, 027, 280, 00	21 6	5.23	15,000.00		12, 7.2, 25	ŗί	132	5, 813, 25	1,011,000.00
Sentember	1,47.7	536, 214, 34 638, 060, 54	11, 189, 103, 00	.o <u>T</u>	888	150,000,00		2,311,50		150	7,006.38	1,218,501.00
Detober		2, 162, 089, 97	376 014 429 00	3.3	5 052 18	S78, 640, 03	1505	94 963 (1)	00,000,00	1,000	04 966 61	12, 228, 505, 00
November	10,036	541,381.56	94, 153, 315, 00	14	759.00	132, 000, 00	1111	22, 065, 63		270	13, 194, 34	2, 294, 668, 00
December	3, 165	169, 360, 95	29, 454, 078, 00				51	2,909.50		261	12, 273.39	2, 134, 503, 00
1919.												
January	2,395	126, 147, 98	21, 938, 777, 00	5.	517.50	90,000,00	38	3, 421, 25	595, 000, 00	696	19 293 09	9 195 713 00
February	2,201	117, 329, 31	20, 405, 097, 00	1~	373, 75	65,000.00		2, 416, 63	_	163	7,587,13	1,319,501.00
March	212	59, 705, 11	2 383, 503, 00 2 368, 080, 00	- 0	128.75	5,000,00	17	SIO. 31	111,000,00	151	6, 808, 06	1, 184, 000, 00
May	3	1, 420, 25	247, 000, 00	1	00.011	20, 000, 00		112.00		? □	4,079.63	703, 501. Ut
June	21	86.25	15,000.00							-	07	m, 000, 400
Total	90,958	1, 835, 786, 77	811,006,390.00	160	8, 133. 18	8, 133. 18 1, 466, 640.00	2,578	133, 675. 05	2,578 133,675.05 23,247,835.00	5,802	281, 508.31	48, 957, 969, 00

Table 11. Corelation of date of dath with organizations of the Military and Naval Establishments. Continued.

Number, Monthly vi payment, my sex, 55 1 1 55, 50 1 172, 50 1 172, 50 1 15, 00			Navy Narse Corp.	olls:		Coast Guard	mont		Total.	
1917. 1919. 2 115.00		Pate,		Amount of mentance.	Nimber	Monthly payment.	Amount of insurance.	Zumber,	Monthly payment.	Vinount of insurance
1					-	13	85,000.00	256	\$140,00 2,815,50 22,137,76	\$24,348,00 190,000,00 3,850,015,00
3 172.50 172.50 3 172.50 1919.	nuary brnury	191×	28. 25. 15. 15. 15. 15. 15. 15. 15. 15. 15. 1	\$5,080,00 10,000,00		86, 25 230, 00	15,000.00	1, 355	41,372,55 66,651,37 89,192,45 27,72	7, 195, 226, 00 (1, 591, 631, 00 14, 291, 339, 00 be 657, 691, 00
3 172.50 3 172.50 172.50 172.50 5 172.50 5 172.50 5 175.50 5 175.50 5 175.50 5 175.50 5 175.50			1 55.30	10,000.00	्रेश रश लग	62.85 57.80 15.00	15, 000, 00 10, 000, 00 20, 000, 00	12.2.3	89, 207, 13 135, 535, 22 341, 011, 11	15, 514, 336.00 23, 571, 311.00 59, 306, 280.00
1919.	gust. ptember tober. vember			30,000.00	- <u>6</u> 5 1 + 4	2, 547, 25 753, 27 175, 38 207, 01	5,000,00 13,000,00 30,501,00 36,005,00	12.52.53 12.52.53 12.53.53 13.	2, 291, 591, 97 724, 347, 93 2, 291, 591, 57 577, 575, 91 184, 750, 85	12, 826, 604, 90 125, 973, 553, 00 1395, 537, 663, 00 100, 147, 985, 00 32, 130, 583, 00
	nuary. bruary. reh			20, 000, 00	m m 01	115.00 92.00 23.00	20,000,00 16,000,00 4,000,00	21 21 1 25 4 25 1 26 4 25 1	21.03.721 121.087.72 12.087.72 13.090.61	24, 769, 520, 00 22, 231, 099, 00 11, 737, 509, 00
April. May June The state of t	yy			00 000 201			00 202	3	1, 621, 50 No. 25	15,000,00

CONTRACT INSURANCE—DISABILITY CASES.

Table 12.—Correlation of date of disability with the organizations of the Military and Naval Establishments.

		Arm	٧.		A	rmy	Nurs	e Corp	≺,		Marine	e Co	orps.
Date.	Num- ber.	Monthly payment.		unt of rance.	Num- ber.		nthly ment.	A moi insur	int of ance.	Num- ber.	Month payme		Amount of insurance.
1917. October November December	5 4	\$255,00 165,00	\$44, 28,	348, 00 696, 00								!	
1918. January February March	17 36 43 35	752.38 1,857.25 2,167.75 1,690.00	323, 377, 292,	819, 00 000, 00 000, 00 913, 00						1	\$57.		\$10,000.00
May June July August September	22 23 29 30	1,175.88 1,063.75 1,065.00 1,495.00 1,664.63	185, 185, 260, 289,	501.00 000.00 217.00 000.00 501.00						1	57.	50	30,000.00 10,000.00
October November December 1919.	30 20	1,640.00 1,009.50 691.25	285, 175,	218.00 565.00 217.00	1		57.50 57.50	\$10,0 10,0	00.00 00.00	1	57. 57.		10, 000.00 10, 000.00
January February March April May June	8 9 6 5 12 3	437.00 406.25 261.25 150.00 432.50 115.00	70, 45, 26, 75,	000, 00 652, 00 435, 00 087, 00 217, 00 000, 00						1	57.		10,000.00
Total	377	18, 491. 39	3,216,	116.00	2	1	15.00	20, 0	00.00	9	460.	00	80,000.00
					N	avy					Total.		
	Date.			Num- ber.	Mont pay mer	V-	of ir	ount isur- ce.	Num ber.	1	nthly ay- ient.		mount of nsurance.
October November December									5	\$ 1	:255, 00 165, 00		\$44,348.00 28,696.00
January. February March April May June July August. September October November December	· · · · · · · · · · · · · · · · · · ·			1 6 5 7 6 5	57 316 258 230 207 258 287 57 305	2.50 .50 .25 .75 .00 .00 .75 .50 .50 .50	40, 0 36, 0 45, 0 50, 0 10, 0 53, 0 30, 0	48, 00 100, 00	19 38 49 40 33 32 28 36 31 38 20	1, 2, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	834, 88 972, 25 484, 00 948, 75 405, 88 443, 25 323, 75 840, 00 722, 13 060, 09 297, 00 748, 75		145, 197, 00 343, 000, 00 432, 000, 00 338, 943, 00 251, 000, 00 230, 217, 00 320, 000, 00 299, 501, 00 358, 277, 00 130, 217, 00
January. February. March. April. May. June.				3 1 2 1	57 87	.00 .50 .50 .75	10, 0 $15, 2$	00, 00 00, 00 17, 00 00, 00	11 10 9 6 12		552, 00 463, 75 406, 25 178, 75 432, 50 115, 00		96, 000, 00 80, 652, 00 70, 652, 00 31, 087, 00 75, 217, 00 20, 000, 00
Total				57	2,579	. 59	448,6	24.00	145	21,	648.98	3	, 765, 040. 00

Of the 99,625 deaths covered by contract insurance over 90 per cent were among those insured serving in the Army in comparison with nearly 3 per cent among the insured serving in the Marine Corps and with over 6 per cent among the insured serving in the Navy. There were 160 deaths in the Army Nurse Corps and 11 in the Navy Nurse Corps among those women who insured themselves. The insured members of the Coast Guard suffered 116 deaths. Of the 445 permanent total disabilities who have been awarded contract insurance nearly 85 per cent were in the Army, over 2 per cent were in the Marine Corps and about 13 per cent were in the Navy. The insured members of the Coast Guard and Navy Nurse Corps suffered no permanent total disabilities, whereas there were 2 disabilities in the Army Nurse Corps.

AUTOMATIC INSURANCE-DEATH CASES.

Table 13.—Correlation of date of death with the organizations of the Military and Naval Establishments.

		Arm	у.	i	Army Nu	rse ('orps.		Marine	Corps.
Date.	Num- ber.	Monthly payment.	Amount of insurance.		Monthl paymer	y Amount it. insuran			y Amount of insurance.
1917, April	104 173 146 148 164 182 247 675 948	\$2,600,00 4,325,00 3,650,00 3,700,00 4,100,00 4,550,00 6,175,00 16,875,00 23,700,00	8468, 000. 0 778, 500. 0 657, 000. 0 666, 000. 0 738, 000. 0 819, 000. 0 1.111, 500. 0 3, 037, 500. 0 4, 266, 000. 0	0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0 \$4,500.		2 850, 0 5 125, 0 9 225, 0 4 100, 0 5 125, 0 6 125, 0 6 150, 0	0 22,500,00 0 40,500,00 0 13,500,00 0 18,000,00 0 22,500,00 0 22,500,00 0 22,500,00
I918, January February	916 183	22, 900, 00 4, 575, 00	4, 122, 000, 0 \$23, 500, 0		50, 0	0 9,000.	00	\$ 200,00 2 50,00	
Total	3, 886	97, 150, 00	17,457,000.0	0 5	125. 0	0 22,500.	00	51 1, 275, 0	0 229, 500. 00
Date.		Monthly payment.	Amount of insurance.	Num-		ard. Amount of insurance		Monthly payment.	Amount of insurance.
1917. April May Jume July Vigure September October November December	47 106 95 52 60 50 60 94 148	\$1, 175, 00 2, 650, 00 2, 375, 00 1, 300, 00 1, 500, 00 1, 500, 00 1, 500, 00 2, 350, 00 3, 700, 00	\$211,500,00 477,000,00 427,500,00 231,000,00 270,000,00 270,000,00 270,000,00 423,000,00 666,000,00	2 2 1 1 1 2	\$50, 00 25, 00 25, 00 25, 00 25, 00 50, 00	\$9,000,00 9,000,00 4,500,00 4,500,00 4,500,00 9,000,00	155 285 252 204 229 238 311 776 1,102	\$3, \$75, 00 7, 125, 04 6, 300, 00 5, 100, 00 5, 725, 00 7, 775, 00 19, 400, 00 27, 550, 00	\$697,500.00 1,282,500.00 1,134,009.00 918,000.00 1,030,500.00 1,071,000.00 1,399,500.00 3,492,000.00 4,959,000.00
January February	156	3, 900, 00	702, 000, 00 180, 000, 00	11	25, (0)	4,500.00	1, 082 226	27, 050, 00 5, 650, 00	4, 869, 000, 00 1, 017, 000, 00
Total	908	22, 700, 00	1, 086, 000. 00	F()	250. 00	45,000.00	4,560	121, 500, 00	21, 870, 000. 00

AUTOMATIC INSURANCE—DISABILITY CASES.

Table 14.—Correlation of date of disability with the organizations of the Military and Naval Establishments.

		Army.			Navy.	
Pate.	Number.	Monthly payment.	Amount of insurance.	Number.	Monthly payment.	Amount of insurance.
I917. April. May June July Angust September October. November December. 1918. January. Total.	2 1 8 4 5 19 16 23 20 9	\$50,00 25,00 200,00 100,00 125,00 475,00 400,00 575,00 500,00 225,00	\$9,000,00 4,500,00 36,000,00 18,000,00 22,500,00 85,500,00 72,000,00 103,500,00 90,000,60 40,500,00	1 1 1 2 4 1 3	100, 00 25, 00 75, 00	\$4,500.00 4,500.00 9,000.00 18,000.00 4,500.00 13,500.00
		Coast Guar	d.		Total,	
Pate.	Number.	Monthly payment.	Amount of insurance.	Number.	Monthly payment.	Amount of insurance.
April. May June July August September October. November December 1918. January February	1	\$25.00	\$4,500.00	2 1 4 9 5 7 23 17 26	\$50, 00 25, 00 25, 00 225, 00 125, 00 175, 00 575, 00 425, 00 650, 00	\$9,000,00 4,500,00 40,500,00 40,500,00 31,500,00 103,500,00 117,000,00 90,000,00 40,500,00
Total	i	25.00	4,500.00	120	3,000.00	540,000.00

In the same way Tables 13 and 14 present the deaths and disabilities for which automatic insurance has been awarded. Of the 4,860 cases covered, about 80 per cent of the deaths were in the Army, 1 per cent in the Marine Corps, and nearly 19 per cent in the Navy, with 10 deaths in the Coast Guard, 5 in the Army Nurse Corps, and none in the Navy Nurse Corps. The 120 permanent total disabilities awarded automatic insurance were divided as follows: 107 Army, 12 Navy, 1 Coast Guard.

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CONTRACT INSTRANCE—DEATH AND DISABILITY CASES.

TABLE 15. Organizations of the Millary and Acad Establishments.

		Amountof	SSALL 2 P2, SSALL 100 25, SSALL 100 25, SSALL 100 25, SSALL 100 27, SSAL
	Test T	Monthly	1,551,781,116 8,515,18 1,515,18 2,515,19 2,515,19 1,715,19 1,715,19 2,286,201,16
ļ		\	# 25.25 # 75.25 # 10.00 # 10.0
		Vibrania of	2 15.00 83.20 105.00 80.35 15.0 15.0 15.5 15.5 15.5 15.5 15.5 15.
	Distibility	Menthly	ELS (D1 39 175.00 20,000 2,529.39 21,648.98
		National Section 1	ignals is
		Amount of	SSEE 000, 300, 00 1, 162, 640, 00 2, 217, 835, 00 18, 267, 900, 00 790, 500, 00 2915, 577, 310, 00
	Denth	Monthly Jerymont	7.1.55.1.2. 7.1.55.1. 7.1.55.1.
		Number.	8 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 -
			Minns Corp. 1. S. Marine Manner Corp. 1. S. Marine

APPOMYTIC INSTITUTE-DEATH AND DISABILITY CASES.

TABLE 16. Organizations of the Willary and Naval Establishments.

		Death.			Disability			Total.	
Organization	Viniaber	Monthly	Vincini ed	-	V anthly regenerat	Vacenti o	V mbc.	Void	Vigoral of a number.
Army Arrest app Marmet orp. Not. V. Not. V. Not. V.	× 2	29, 130, 00 193, 00 1, 273, 40 22, 700, 60	217, 187, 000, 00 22, 300, 00 229, 500, 00 4, 086, 000, 00		00,000	S (1, 500, 00r	8,958 5.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1		17, 94 %, 540, 09, 09, 00, 00, 00, 00, 00, 00, 00, 0
Court Chard		250,00	45,000,00	:-	25,00	4, 300, 00	=	13.00	. (9), 500, 00
Total	85,4	121,500,00	21, 570, 000, 00	120	3,000.00	530,000,00	(186.4	121, 300,00	22, 110, 000, 00

CONTRACT AND AUTOMATIC INSURANCE—DEATH AND DISABILITY COLORS.

TABLE 17.—Summary: Organizations of the Military and Naval Establishments.

		Peath.			Disability			Total.	
Organization.	Number.	Monthly payment.	Amount of insurance.	Number.	Monthly payment.	Amount of insurance.	Number.	Monthly payment.	Amount of insurance.
Army NurseCorps. Army NurseCorps. Narthe Corps. Navy NurseCorps.	94, 844 165 2,629 6,710	\$4, 932, 936, 77 8, 558, 18 134, 950, 05 304, 205, 31 603, 75	SSSS, 493, 390, 00 1, 489, 140, 00 23, 477, 335, 00 53, 043, 969, 00 135, 000, 00	4N4 2 2 9 9 9	\$21,169.39 115,09 460.00 2,879.59	\$3,697,916.00 20,000.00 80,000.00 502,624.00 4,500.00	95,328 167 2,638 6,779 111	84,954,106.16 8,673.18 135,410.05 307,087.90 603.75 4,820.41	S862, 191, 306, 00 1, 509, 140, 00 23, 557, 335, 00 53, 546, 583, 00 840, 006, 00
Coast Guard	104, 485	5, 386, 052. 47		565	24,648.98	4,305,040.00	105,050	5, 410, 701. 45	941,749,380.00

All the totals, irrespective of the date of occurrence of the deaths or disabilities, are found in the preceding summary tables. The Army, the Marine Corps, and the Navy, including the Coast Guard, are taken as the basis for the study made in diagram 24 shown below.

Army, Marine Corps and Navy.

Per	cen	itofic	tal.			
Dute.	Army.	Marine Corps.	Navy.	Army.	Marine Corps.	Navy.
Ap 0, 1917	G9	1	31			V-20
May	€1	2	37			
June	58	3	39		W. W. W.	Section 1
July	73	1	26		经过分分别	"大学"
August	72	2	26		AND THE REAL PROPERTY.	
September	70	2	22			
O dober	50	1	19		2976 2 2 3 V	
November	57	1	12			
De ember	87	1	12		4542565	STATE OF THE STATE
January, 1915	8.5	1	13		#8# SENTE	
Tebruary	5	1	14	NEW YORK OF THE STATE OF THE ST	86006-855	
March	×2	2	16			公 京 经票据金
April	57	;	10		17.13.15.11.4	3230
May	92	1	7		4.7022175	Z EN EN EN
June	64	29	7		A COLUMN	162
July	(+4	4	2	PROPERTY OF THE PROPERTY OF	104/2014	34. S. T. S.
August	93	1	3		See 3 P 2 33	高级性的是 使以
September	5.5	2	10		SMSSES CON	SECON E
Ortolar	01	1	.)		2510125622	18 18 18 18 18 18 18 18 18 18 18 18 18 1
November	93	4	3		1.550.00.00	CESS/FERN B
December	91	2	7			3.63
January, 1919	49	2	10		KG/5674/6914	457.545
February	91		7		100 St. 100 St	
March	57	1	12		1000 TO 1000 T	
Αρτι1	~ I	į.	1 %		32437575	AN INSTANCE
May	91	()	9	STATE OF THE PARTY	STEER STANSON	3.2.4.0.2
June	1(10)	ij.	0			No. 20 To the Control of the Control

Divorant 24—A comparative tudy of the relative number of contract and automatic insurance claims awarded for each month of death or disability for the Army, Marine Corps and Navy. In this study the Ceast Guard is grouped with the Navy.

The part of the offensive engaged in by the Marine Corps during June resulted in a comparatively heavy loss. In general it is observed that the Navy loss was heavy early but decreased gradually in comparison with the Army, in which heavier losses were sustained later.

CONTRACT AND AUTOMATIC INSURANCE—DEATH CASES.

Table 18.—Correlation of date of death with organization.

Date.	Infan- try.	Depot Bri- gade.	Field Artil- lery.	Engi- neer Corps.	Ma- chine Gun,	Medi- cal Corps,	Signal Corps.	Quar- ter- master Corps.	Train- ing Corps.	Coast Artil- lery.
1917. April. May June July August September October. November December	71 107 90 86 105 105 112 367 591	1 1 20 39 103	28 91 162	2 3 7 10 6 13 50	3 4 2 6 1 7 16 44 89	3 4 10 10 8 11 14 30 43	4 8 5 1 3 8 6 11 27	55565784X	1 1 3	8 17 7 6 9 7 10 11
1918. January. February. March. April. May June July August September October. November	563 397 455 592 788 878 4,637 3,178 7,839 18,710 6,691 942	151 70 70 166 116 97 102 136 776 4,979 398 189	161 131 128 145 89 104 268 262 545 2,529 517 341	135 172 150 160 121 149 234 176 443 2,013 407 216	82 58 76 71 117 98 391 210 717 1,772 612	89 65 106 98 80 66 117 86 327 2,429 6 203	146 151 131 117 80 76 88 78 167 611 2	65 37 28 52 29 33 41 42 126 817 146 117	2 6 4 6 5 5 2 5 5 1,256 298 179	39 42 41 72 35 36 39 20 98 737 210
1919. January. February March April May June	639 636 361 153 8 2	185 81 48 14 3	253 287 118 23 2	152 179 99 28 2	83 123 54 11 1	168 153 79 30 2	36 59 32 4 1	122 115 52 18 1	70 20 3 2	59 38 16 5 1
Total all or- ganizations	49, 103	7,746	6, 184	5,043	4,761	4,237	1,961	1,937	1,918	1,647
Claims awarded in cases of death oc- curring since men left service	95	109	42	14	15	25	10	21	36	18

Table 18. Correlation of date of death with organization-Continued.

Date	Λ· i)÷ ti ···,	Liber But- falledi.	Mosor Trans- Ion.	erd- name.	Cav- alty.	Tank Serv- ice.	Chem- ical Ser- ice.		Balloon Corps.	
Lett. April	2 3 1 5 12	1 3 11 37	1 3 1	1 1 3 5	5 11 16 15 10 7 6 6	5 6 8 10 18				
July, July, cry February March April May June July August September October, No ember, December	26 63 53 36 48 19 55 74 142 455 212 154	59 18 16 15 20 19 31 38 130 653 94 109	14 77 33 4 1 1 3 18 99 876 2 121	11 13 11 6 5 9 5 37 34× 26	12 20 20 27 18 18 24 12 31 438 57	1 3 1 47 227 1 15		1 10 4 9 5 2 10 6 6 37 23 11	3 5 1 2 6 105 15 24	3 1 2 1 1 3
1819. January Lebruary Murch April May June	1c1 62 35 25 5	105 80 11 11 1	110 127 72 16	35 66 22 5	16 17 10	1 1 1	9 4	13 3 1	15 S 2	2 1 2 1
Tot I dl or- ganzations	1,618	1.501	1, 481	617	5 #2	368	251	215	192	20
Claims awarded in cases of death oc- carring since men left service.	21	4	ń	3	5	3	2	0	2	1

Table 18.—Correlation of date of death with organization—Continued.

Date.	Gen- eral Staff.	Inspec- tor Gen- eral.	Judge Advo- cate Gen- eral.	Marine Corps.	Navy.	Coast Guard.	Army Nurse. Corps.	Navy Nurse. Corps.	No or- ganiza- tion record- ed.	Total for each month of award.
1917. April				215934452 5934452	47 106 95 52 60 50 80 99	2 1 1 1 2 1	2		3 1 2 12 31	155 285 252 204 229 238 314 831 1,546
1918. January February March. April May June July August. September October November December	1	1	1	13 12 26 51 16 778 240 46 236 567 414 54	257 218 268 187 111 181 132 150 1,359 1,894 270 264	2 1 1 2 2 2 4 1 60 19 7 6	2 1 1 1 4 4 2 3 13 95 14		91 88 82 87 65 83 106 126 338 1,325 344 182	1, 919 1, 581 1, 683 1, 910 1, 764 2, 685 6, 548 4, 678 13, 650 42, 833 10, 741 3, 489
1919. January February March April May June				66 46 17 4	262 163 151 85 4	3 3 2	9 7 1 2	2	213 118 68 20	2,735 2,420 1,298 462 33 2
Total all or- ganizations	4	4	2	2,629	6,710	126	165	11	3,489	104, 485
Claims awarded in eases of death oc- curring since men left service	0	0	1	3	42	0	0	0	37	515

CONTRACT AND AUTOMATIC INSURANCE—DISABILITY CASES.

Table 19. -Correlation of date of disability with organization.

								-		_
Date	Infan- try.	Depot Bri- gade.	Field Artil- lery.	Engi- neer Corps.	Ma- chine Gun.	Medi- cal Corps.	Signal Corps.	Quar- ter master Corps.	Train- ing Corps.	Coast Artil- lery.
1917. April May July Angust September October November December	1 5 2 3 7 10 14		1 1 3 2 4	1 1	1 1 2	1 1 1	3	1 2		3
January February March April May June June July August September October November December	20 19 16 14 11 8 6 20 18 10 4	1 2 2 2 2 4	1 3 3 2 1 4 1 1	3 2 3 3 1 3 5 1 1 1 1	7 3 5 3 3 2	2 4 1 5 4 2 1	1 1 1 1 1	3 3 3 3		1 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
July. Janu. ry February March April May June	1 5 3 6 2	1	1 1	1 1	i	1	1 1 1	1		1
Total, all organizations	213	11	36	32	30	52	15	20		17
irate	Avia- tion.	Inbor But- talion	Motor Trans- port.	Ord- nance.	Cav- alry.	Tank Serv- ice,	Chem- ical Serv- ice,	Mortar.	Balloon Corps.	Adjn- tant Gen- eral.
1917. Nor ember December	- 1		i 	1	•				1	
1918. Jonuary. February March. April. May. July Ansust. October. November. December.	1			1 2	1 1 2 1 					
L pul.ry Lebro ary March May	1		1 1	1		1				
Total, all or- ganizations	6.			- 6	`	1	1		1	1

Table 19.—Correlation of date of disability with organization—Continued.

Date.	Gen- eral Staff.	Inspec- tor Gen- eral.	Judge Advo- cate Gen- eral.	Marine Corps,	Navy.	Coast Guard.	Army Nurse Corps.	Navy Nurse Corps.	No or- ganiza- tion record- ed.	Total for each month of award.
1917.										
April										2
May										1
June					1					1
July	• • • • • • •				1					9 5
August		1				1				
September					2					7
October					4				3	23
November					1				1	22
December					3					30
4040										
1918.					1		i			
January					2					39
February				1	1				3	47
March					6		- • · · · · · ·			49
April					9					40
May					7				1	33
June				4	6				1	32
July					5				1	28
August				1	6				3	36
September					1				3	31
October				1	6		1		1	38
November				1	4		1		2	26
December					1					15
1919.					_					
January					3					11
February					1					10
March				1	2					9
April					1					6
May										12
June							• • • • • • •	· · · · · · · · ·		3
Total, all or-				ĺ	1	i				
ganizations				9	69	1	0		19	565

Nearly 52 per cent of the Army deaths and 44 per cent of the Army disabilities among those awarded insurance were members of the Infantry, the death quota being heavier in the Infantry than in the Navy, the Marine Corps, or the Coast Guard. Comparison based on the numbers exposed to war risks are not attempted at this time as all the necessary facts are not available. However, Infantry, being one of the largest organizations, stands out as suffering most severely. That the depot brigade stands second in the scale of death loss is explained by the fact that it was composed of men from all stages of service experience. It acted as receiving unit for those entering the service. All men with suspected diseases were held until definite diagnosis could be made and during the influenza epidemic many men died before being assigned to other organizations. Men serving in other organizations who became incapacitated were placed in the depot brigade pending recovery or discharge. About 97 per cent of all deaths in this service were caused by disease. The Medical Corps group represents all medical detachments or companies attached to the various organizations, and although it is a comparatively small corps, it stands high in the mortality experience under observation. About 94 per cent of all deaths in this service were caused by disease. Table 18 affords a study of the deaths which occurred out of the

service in connection with the organization prior to discharge. Whereas the figure for the awarded insurance cases for deaths in the

Infantry is carried as 49,103, only 49,008 died as infantrymen in the service: the remaining 95 died after separation from the service. That their last service connection was with the Infantry is the reason for so classifying them. Some of these 95 cases were disabled, though it was not of a permanent and total nature at the time of discharge

Organizations.

	Percent	
	of total.	
In part to the contraction of	14.9	是一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个
10 / Bill (Bill)	. 7.1	
. 1	6.5	
The state of the second	- Table	
F Kaltons	. 4. 4	
Machine Com Buttalion	. 4.6	
Noti it at s	. 4.1	
Marin Corps	2.5	
25 a 10 mp	. 1.9	Car.
Q ::: 'et cortes	1.14	
T : 1.0 Car :		678
Coast A Sillery	. 1.6	
A. 15	. 1.5	
La "B C dion	. 1.1	
"Lober I ams off		15
Oblina manimini		
(·]**		9
"I ervice		
Charlest Service	2	1
Trach Mort. A		
Bath in Cons		E .
A top Nur et oups		8
All officers	. 3.5	

Dividual 25. The total number of costract and automatic insurance claims awarded for death and disability distributed according to organizations.

from the service and others were normal individuals at that time. The same statements obtain for the other organizations making a total of 515 of the deaths occurring after discharge. Study of deaths of disabilities and of other deaths out of the service is pursued later.



The total number of contract and automatic insurance claims awarded for death and for disability distributed by organization .

A comparative study of the losses sustained by the various organizations as tabulated above is demonstrated by means of diagram 25.

Further illustrations of the total number of death and disability awards separated by organizations are made by means of diagrams 26 and 27. The first of these shows the death and disability separa-

cion whereas the second makes a separation into those cases awarded contract insurance and those awarded automatic insurance. Both liagrams show the same general characteristics of the predominance of the Army deaths and disabilities over those of the other organizations.

Organizations.

	Per cent	Contract.	Automatic.
Army	of total.		
Ха\ у	. 6.45		
Marine Corps	. 2.51		
Army Nurse Corps.	18	(
oast Guard	12		
Navy NurseCorps	01	ł	

DIAGRAM 27.—The relative number of claims for contract and automatic insurance awarded for the various organizations of the insured at the time of death or of disability.

The average policy amount upon which a claim for contract insurance has been awarded is shown in diagram 28 for each of the four principal organizations. The Army leads, with the Marine Corps, which was associated with it, closely following. That the Army leads is no doubt largely due to the very enthusiastic campaign carried on by this branch of the service for the purpose of stimulating the taking out of insurance.

Average Policy Amounts.

Army	\$9,243	
Marine Corps	9,017	建筑的大学,在这个大学的大学的大学,不是是是是一个大学的
Navy	8,435	506.77 1056 (2015年) 1945年(2015年) 1950年(2015年) 1950年(2015年) 1950年(2015年) 1950年(2015年) 1950年(2015年) 1950年(2015年)
Coast Guard	6,815	

DIAGRAM 28.—A comparison of the average amount of contract insurance policies held by members of the military and naval establishments upon which claims have been awarded.

VIII. CAUSES OF DEATH AND OF DISABILITY.

A study of the principal conditions and diseases responsible for the mortality and disability among the insured has been pursued in an endeavor to reveal facts that may be of significant enlightenment in the control of the spread of causative diseases among the general population. The investigation of the group of deaths and disabilities exclusively of military origin has no bearing whatsoever on the alleviation of ordinary peace conditions and therefore, does not attempt the same extent of detail into which the study of causative diseases is carried.

The classification used throughout the study is the "International list of causes of death." There have been a few variations, however, from this list. No diseases of infancy or old age or of the purperal state are included, while other diseases of vital importance among the fighting forces have been emphasized, e. g., syphilis, alcoholism,

diseases of the eye, etc. The handling of jointly reported causes of death has also been regulated by this list in so far as available information made it possible.

Table 20 presents a complete list of traumatisms and diseases causing the deaths and disabilities of those insured by contract or

CONTRACT AND AUTOMATIC INSURANCE—DEATH AND DISCBILITY CASES.

Table 20. - Discuss and to emutism causes of death or of disability.

	Contract.			Antomat	ic.	T tal.		
Carrie	Dert.	Disa- bility.	Total.	Death. Disa- bility.	Total.	Death.	Disa- bility.	Total.
Disease or injury	72		72	47	i7	119		119
HIAUM MISMS.								
Vecillents	171	1 1	172	25	25	196	1	19
Setion, killed or wounded in	41, 6.5	69	41, 104	27 1	28	11,062	70	-11,133
Virplane Viimmunikionabombs, grena es, e	~10	2	512	21	24	\34	2	S3
plosi estete.	169	7	176		5	174	7	15
Vnimals, injuged by	47	1	45	21	21 5	6 × 13	1	6
Automobile and tru(k	322	1	323	56	56	375	1	37
BayloonBayonet	3	1	4		1	3	1	1
'hemicals	13		13	3	3	16		1
onflagrations old, excessive.	27		27	3	. 3	34		3
>rill	4		4			4		
Prowning Explosion	506 216	· · · · · · · · · · · · · · · · · · ·	506 217	147	117	613	1	6.5
Fall of objects	43		41	11	14	227 57	1	22 5
Fall of persons	128	1	127	36	36 2	162	1	16
foreign objects	575	6	581	12	12	587	6	. 59
amshot work ls	105	2	107	79	70	1×i	1.3	15
njuries Killed	210		212	64	64 21	304	2	30
Lost at sea	1,205		1,205	164	164	1,369		1,36
dachinery dissing inaction	12 51		12 51	2	2	14		1 5
Motore vele	101		101	9	9	140		11
Murder Poisonius	34 56		34 56	1+	14	48 56		4 5
Railread train (ste om and electric),	491	3	444	159 4	163	650		6.7
Shell shock	16		16		33	16 257		2.5
Strangulation	224 7		224	33	4	11		1
Suici le Wagon animal drawn)	308 17		17	135	135	633		63
	1,		1,	2		13		1
D48",A5., 8.								
Disease	151 155	1	152 155	263	263 26	414 151	1	41
Mecholism	27	1	28	21	21	48	1	4
Anthrax Apoplexy, cerela al hemorrhage	17		17 91	20	21)	17 109		11
Apoplexy, pulmonary	16		16	21	1	17		1
Appendicitis	315		345	65	65	413		41
Asthma Bladder, diseases of	11	1	12	3	3	1 1 14	1	1
Bones, diseases of (other than tu-	1.0			1.	10	0.4		
- berculosis). Bright's disease.	16 250	11	16 294	10 46 I	10	26 326	15	31
Bronchitis	62		62	N		70		7
Cancer and other tumors	169 126	10	119 135	30	17 30	126 156	10	13 16
Diabetes	111	12	126	302	23	135	14	14
Direstive system, other diseases of (except cancer and tuberculosis).	212	1	213	31	31	243	1	2‡
Diphtheria	166		166	17	1.7	1.3		1×
Ears, diseases of	72 72	3	73 75	15	1 15	73 57	$\frac{1}{3}$	7 9
Epilepsy	21	, i	22	9	59	30	1	3
Eyes, diseases of	2	16	18	1 2	3	3	18	2

Table 20.—Disease and traumatism causes of death or of disability—Continued.

	Contract.			Automatic			Total.		
Cause.	Death.	Disa- bility.	Total.	Death.	Disa- bility.	Total.	Death.	Disa- bility.	Total.
DISEASES-continued.									
Genito-urinary system, other discases of. Genococcus infection Heart, diseases of. Hernia Influenza and pneumonia Influenza and pneumonia Influenza Influenz	6 2 405 20 17,198 1,238 1,238 4,7 50 2 2 114 6,863 6,4 39 3 3 3 28 32 28 32 162	23 4 1 3 2 2 2 4 19 4 1	6 2 42× 24 17, 199 1, 23× 8 49 50 2 2 114 5 7 7 13 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	\$1 81 82 28 27 77 55 31 409 483 12 12 16	2 3 5 3	2 S8 8 8 2 7 7 5 5 33 409 48 6 17 19	6 4 4 4 4 4 4 8 2 8 17, 2000 1, 246 5 7 5 7 2 19 6 6 105 5 2, 346 7 6 5 5 3 3 3 3 2 3 3 7 1 8 4	30 4 2 3 2 2 2 2 7 24 7 1 1	64 516 32 17, 202 1, 246 56 57 2 19 1, 105 2, 353 36 4 36 38 195 195 195 195 195 195 195 195
Pleurisy Pneumonia and empyema Pott's disease	25,675	1 10	163 25,685 1	1,548	1	41 1,549	27, 202 $27, 223$ 1	11	27,231
Purulent infection—Septicæmia Respiratory system, other diseases	244	1	245	53		53	297	1	295
of Rheumatism Scarlet fever Skin, diseases of Smallpox. Spleen, diseases of	42 26 176 36 9	2 4	14 30 176 36 9	9 3 43 7 1		9 3 43 7 1	51 29 219 43 10 2	2 4	53 33 219 43 16
spreen, diseases of Syphilis Fuberculosis, meningitis. Fuberculosis, lungs	43 42 63 1,046	1 8 165	41 50 63 1,211	8 17 9 107	79	8 17 9 156	51 59 72 1,153	1 8 244	52 67 72 1,397
Puberculosis, all other (except Pott's disease)	188	4	192	16	4	20	204	S 1	212
Typhoid fever Typhus fever diseellaneous diseases	183 1 358	s	183 1 366	25 1 126	1	26 1 127	208 2 484	9	209 2 493
Total	99,625	445	100,070	4,860	120	4,980	104, 485	565	105,050

automatic insurance. The body of the table is self-explanatory. However, some groups may require individual explanation. The group "Disease or injury," perhaps, seems a very broad classification for statistical purposes. The material available for the study of causes of death is in a great measure confined to the reports sent in by The Adjutant General's Office. There are a great many cases where that office has been unable to ascertain anything more definite than that the death was resultant from a disease or an injury, and therefore so reports it. As there was a sufficiently large number of cases of this kind it was deemed preferable not to classify them either in the "Disease" group or in that composed of "Injuries," but to create a separate group to cover all cases in which no further information was forthcoming as to the cause of the death. When all traumatisms are combined in a group and all diseases are thrown in a second group the "Disease or injury" group is considered a traumatism. The group "Miscellaneous diseases" is composed chiefly of cases in which

something definite was reported, but which could not be classified under any of the various other groups. The third group warranting explanation is that under the heading "All other forms of tuberculosis." Tuberculosis of the lungs and meningeal tuberculosis form separate groups. In addition there are a number of rather indefinite causes of death reported which, though vaguely diagnosed by the physician, reveal the fact that the disease was probably of tubercu-

Causes of Death.

	ceat	
Killed in action	39.3	关于1980年1月1日,1980年1月1日日本中国共和国共和国共和国共和国共和国共和国共和国共和国共和国共和国共和国共和国共和国
Pne modia and empyema	5.0	
Labrier a and ptermionia	10.1	
Medinaitis	1.2	
Lost at sea	1	
In B.e	1. 2	
Tubelculosis o lungs	1.1	
Measic and phenmonia	1.1	
Airplane	٠.,	
Drownin		
Railread trait		NATURE CONTRACTOR CONT
saicide	F.	
1.68	. 13	
Heet diese		
Discoses		
Sppendicitis	. 4	
Automobile and trunca	:	
Bright's disea c		E29
Injuries		
Purslentia: tion	3	
:ho*		
Oile tive system discuses		
dosion	. 2	CORP.
= sale* fer er	2	
1, dold fever	. 2	- celibra
to entrocremo e		
He misy	-)	
Accident		The state of the s
Gunshol worth to		LET THE STATE OF T
Peritoniti		To the state of th
Diphtheria		
f chef calles		

Throgram 29. Chases of death of in circlin case, where contract and automate insurance claims have been awarded.

lous origin. So into this group were placed all cases of tuberculosis in which the location of the lesion was other than the brain or the lungs.

Diagram 29 shows the comparative ratios of the principal causes of death of the insured to the total death cases awarded insurance.

The number of those killed in action quite naturally exceeds those dying from any other single cause. By way of explanation it might be said that the group classified as death caused by "Gunshot wounds"

is composed of persons dying as a result of wounds inflicted accidentally and not in action. The class "Killed in action" carries all cases of deaths in action with the exception of those "Gassed," and a part of those "Lost at Sea."

Diagram 30 makes the comparison of the number of traumatisms

with the number of diseases.

Of the 105,050 awarded claims, a little more than one-half was comprised of death by disease. It is noteworthy that, of the traumatisms by far the greater part falls into the group of those awarded contract insurance. This is quite natural in view of the fact that the time within which automatic insurance might apply was previous to the time of the active engagement of our troops on the European front. Less than one-fourth of the total number of awarded claims for automatic insurance is composed of the group of traumatisms,

Traumatisms and Diseases.

	Number f awarded claims.	Traumatisms,	Diseases.
Total traumatisms and dis-	105,050		
Traumatisms	48,523	Add Company	
Contract-traumatisms	47,386		
Automatic-traumatisms	1,137		
Diseases	56,527	<u> </u>	
Contract-diseases	52,684]
Automatic-diseases	3,843		

Divigram 30.—The total number of death and disability claims awarded on contract and automatic insurance showing separation of cases into transmatisms and diseases.

whereas the remaining cases fall into the "Disease" class. Of these transactisms covered by automatic insurance only 40 represent battle deaths or disabilities.

INFLUENZA INCIDENCE.

Of the diseases responsible for the deaths and disabilities of persons in the American forces, influenza and its complications stand out as the most disturbing. For this reason, it is given separate consideration in this study. Though the epidemic ran its course among the troops abroad, among those en route and among those at home it will be observed that its intensity was very much greater in the United States. If influenza is considered as an epidemic only during the three months September, October, and November, 1918, and if the deaths recorded under pneumonia during that period are considered as belonging to the epidemic, it will be found that 74 per cent of the combined influenza and pneumonia deaths occurred during the epidemic. Of the influenza deaths, 89 per cent were within the epidemic period while only 64 per cent of the pneumonia deaths fell within these limits. The great majority of the deaths from influenza were recorded under the joint cause "influenza and pneumonia," rather than under the single cause "influenza," indicating that most of those cases ending fatally culminated in pneumonia.

Diagram 31 makes a study of the total influenza mortality and bears out the foregoing statement.

Influenza.

	umber f cases.	
Totalinfluenza	15, 446	等一种,但是一种的一种,
Influenza and pneumonia	17,200	
Influenza	1,246	

DIAGRAM 31.—Influenza as a primary or secondary cause of death in Claims awarded for contract and automatic insurance.

PNEUMONIA.

The next logical study is that of pneumonia as a causative agent. It has been seen that this disease was the fatal factor in the influenza epidemic. Diagram 32 presents the total number of death cases resulting from pneumonia, either directly or as the complication of another disease. Measles and pneumonia jointly caused over

Pneumonia.

Number of cases, Total pneumonia
Mearles and pneumonia 1, 105
Influenza and pheumionia 17, 200
Pneumonia

DIAGRAM 32.—Pneumonia as a cause of death in claims awarded for contract and automatic Insurance.

a thousand deaths. Pneumonia, either as primary or secondary cause, however, composes a group larger than that of any other disease.

TUBERCULOSIS.

Tuberculosis during the war emergency played its usual important part as a death bringing agent. As it is impossible to detect the incipient stages of this disease unless a very thorough examination is made,

Tuberculosis.

	umber	
	cases.	
Total tuberculosis	1, 429	
Pulmonary tuberculesis,	1, 153	
Meningeal tuberculosis	72	
Other forms of tuberculosis	2.4	

DIAGRAM 33.—Tuberculosis as a cause of death in claims awarded for contract and automatic insurance.

no doubt many persons with slight tuberculosis or tuberculous tendency were accepted in the service. The exposure incident to the training gave the disease the necessary chance, and a comparatively large number of persons succumbed. Diagram 33 presents the facts of the tuberculosis mortality. It will be seen that of the three heads, "Pulmonary tuberculosis," "Meningeal tuberculosis" and "Other forms of tuberculosis," the group of pulmonary tuberculosis, or tuberculosis of the lungs, merits special attention. This form of tuberculosis exacted by far the greatest number of lives in the entire tuberculosis incidence, as related to the lives of the insured.

RESPIRATORY DISEASES.

Classifying influenza and tuberculosis of the lungs as diseases of the respiratory system the importance of the entire group of diseases of this system can be at once recognized, as shown by diagram 34. Almost nine-tenths of all causative diseases are those of the respiratory system.

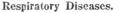




Diagram 34.—Diseases of the respiratory system causing death compared with deaths from all other disease causes in the awarded claims of contract and automatic insurance.

CONTRACT AND AUTOMATIC INSURANCE—DEATH CASES.

Table 21.—All diseases of the respiratory system as causes of death.

	Number.	Per cent of all respiratory system.	Per cent of all disease deaths.	Per cent of all deaths.
Pneumonia and empyema Influenza and pneumonia Influenza Pulmonary tuberculosis. Measles and pneumonia Pleurisy. Bronehitis. Pulmonary apoplexy Asthma All other diseases of respiratory system	17, 200 1, 246 1, 153 1, 105 202 70 17 11	56. 4 35. 6 2. 6 2. 4 2. 3 . 4 . 1 . 1	48.6 30,7 2,2 2,1 2,0 .4 .1 .01	26. 0 16. 5 1. 2 1. 1 1. 1 2 2 1 0 .0
All diseases of respiratory system	48,278	100.0	86.1	46, 2

In summation diagram 35 presents the principal groups of traumatisms and the four principal disease groups, showing the ratios of these

160100°--20---5

groups. It will be noted that of the traumatisms the group representing the number of persons killed in action and of the diseases, thoso dying of pneumonia, meningitis, tuberculesis or influenza make up

	Causes of Death.
Per cent of total.	
Killed in action 39, 3	particular transfer to the second of the second
Other traumatisms	
Pneumonia	was the second of the second o
Meningitis	
Tuberculosis	
Influenza 1. 2	
Other diseases 5.3	

Diagram 35.—Analysis of the principal traumatisms and diseases resulting in death in cases for which contract and automatic insurance claims have been awarded.

very nearly nine-tenths of the total deaths of the insured. Diagram 36 compares the principal traumatism causes with the principal disease causes.

Traumatisms.

Traumatisms and Diseases.

	cent.	
Killed in action or died of wounds	84. 9	The court of the supplied of the court of th
All other traumatisms	2	
Lost at sea	2.8	(a)
Airplane	1.7	
Drowning	1.4	
Railroad train (steam and electric)	1.3	A .
Suicide	1.3	
Gas (poisonous)	1.2	t t
Automobile and truck	. 8	i I
		Diseases.
		D13(4303.
Pneumonia and empyema	48.5	
Influenza and pneumonia		7 PERMIT THE PROPERTY OF THE PERMIT OF THE P
All other diseases		4 []
Meningitis	4.5	2 🗔
Influenza	2.2	
Tuberculosis, lungs	2.1	l 🗓
Measles and pneumonia	2.(0
Diseases of heart	9	9 🗓
Appendicitis	7	7 8
Bright's disease	6	6 (
Purulent infection-septicaemia		5
Searlet fever	4	4 1
Pleurisy	. 4	4
Peritonitis		3
Diphtheria	. 3	3
Daibetes	- 1	2
Cancer		·
Apoplexy, cerebral		2
Measles	. :	2

DIAGRAM 36.—A comparison between the principal traumatism causes and the principal disease causes of death for which contract and automatic insurance claims have been awarded.

Table 22 makes a correlation of all causes of death and disability with the organizations of the insured. Very naturally the largest groups fall in the Army.

CONTRACT AND AUTOMATIC INSURANCE-DEATH AND DISABILITY CASES.

Table 22.—Causes of death or disability correlated with military and naval organizations of the insured.

-		THE THE									
	Death. Disability.									disa-	
Cause.	Army and Army Nurse Corps.	Marine Corps.	Navy and Navy Nurse Corps.	Coast Guard.	Total deaths.	Army and Army Nurse Corps.	Marine Corps.	Navy and Navy Nurse Corps.	Coast Guard.	Total disability.	Total death and billity.
Disease or injury	112	1	6		119						119
TRAUMATISMS. Action, killed or wounded in Airplane. Ammunition (bombs, grenades, explosives, etc.). Animals, injured by Athletics Automobile and truck Balloon.	39, 179 724 166 67 8	1,852 15	32 31 95 8 1 5		196 41,062 831 174 68 13	66 1 7 1	4	1		70 2 7	197 41,132 836 181 69 13-
Chemicals	341 3 11 11 19 3 4 450	1 7	32 	5	378 3 11 16 34 6 4 653	1		1		1 1 1	379 4 12 16 34 6 4 653
Cold, excessive Drill Drill Drowning. Explosives. Fall of objects. Fall of persons. Foreign objects Gas (poisonous). Gunshot wounds Injuries. Killed Lost at sea. Machinery.	159 42 117 2 566 150 214 79 680	1 2 4 17 17 7 1 1	67 13 41 3 4 15 82 5 623	2 1	227 57 162 5 587 184 304 85 1,369	1 5 2 1	1	1		1 1 1 2 2	228 58 163 593 186 306 85
Missing in action Motorcycle Murder Poisoning Railroad train (steam and electric) Shell shock Shot	10 52 107 41 42 608 16 237 6	2 1 1 5	3 5 13 35 16 5	1 2	14 54 110 48 56 650 16 257 11					7	14 54 110 48 56 657 16 257
Wagon (animal drawn)	552 19	20	60	1	633						633 19
DISEASES. Disease. Abscess Alcoholism Anthrax Apoplexy, cerebral hemorrhage. Apoplexy, pulmonary Appendictis. Asthma Bladder, diseases of. Bones diseases of (other than tubers	400 145 45 15 96 16 357 11	3 3 5	7 33 3 2 13 1 51	4	414 181 48 17 109 17 413 11	1		1		1 2 1 1	415 181 49 17 111 17 413 12
Bones, diseases of (other than tuber- culosis) Bright's disease Bronchitis Cancer and other tumors Circulatory system, other diseases of Digestive system, other diseases of	22 278 67 105 129 119	1 7 1 1 4	3 41 2 20 23 12	3	$\begin{array}{c} 26 \\ 326 \\ 70 \\ 126 \\ 156 \\ 135 \end{array}$	12 9 8 12	i i	;-		15 10 9 11	26 341 70 136 165 149
Cexept cancer and (tibercinosis). Diphtheria Ears, diseases of. Endocarditis Epilepsy Eyes, diseases of.	210 140 66 72 26 3 12	4 1 1	$\begin{array}{c} 29 \\ 42 \\ 6 \\ 14 \\ 4 \\ \end{array}$	1	243 183 73 87 30 3	1 2 1 17 17		i 1		1 3 1 18 1	244 183 74 90 31 21 14
Genito-urinary system, other diseases of. Gonococcus infection Heart, diseases of. Hernia	$\frac{6}{3}$ $\frac{406}{24}$	12	1 68 4		456 28	2ú 3	2	 2 1		30	6 4 516 32

Table 22.—Causes of death or disability correlated with military and naval organizations of the insured—Continued.

Influenza. 7:95 15 435 1 1,246 1,246 Joints, diseases of. 3 4 7 2 1 3 54 1 1 2 56 Liver, diseases of. 46 11 57 2 1 3 56 57 Locomotor ataxia. 2 2 2 2 2 2 2 2 2 19 1		1										
Diseases—continued			1	Deuth,				Dis	abili	ţŗ.		-tesib
Influenza and pneumonia	Cause,	Army and Army Nurse Corps.	Marine Corps.	Navy and Navy Nurse Corps.	Coast chard.	Total deaths.	Army and Army Nurse Corps.	Marine Corps.	Navy and Navy Nurse Corps.	Coast Guard.	Total disability.	Total death and bility.
Influenza	DISEASES—continued											
Typhoid fever. 201 2 5 208 1 1 209 Typhus fever. 2 2 2 2 2 Miscellaneous diseases 366 11 105 2 484 8 1 9 493	Influenza. Joints, diseases of. Kidneys, other diseases of. Liver, diseases of. Liver, diseases of. Locomotor ataxia. Malaria. Malaria. Malaria. Measles and pueumonia. Meningitis. Mental alienation. Nervous system, other diseases of. Nouritis and neuralgia. Nose, diseases of. Paralysis. Pericarditis. Perirarditis. Pleurisy. Pneumonia and empyema. Pott's disease. Purulent infection (septicaemia). Respiratory system, other diseases of. Rheumatism. Scarlet fever. Skin, diseases of. Smallpox Spleen, diseases of. Stomach, diseases of (except cancer). Syphilis. Tuberculosis, meningitis. Tuberculosis, lungs Tuberculosis, inngs Tuberculosis, diseases of tother pott's Tuberculosis, and other (except Pott's Tuberculosis, and other (except Pott's Tuberculosis, and other (except Pott's Tuberculosis, diseases of Tuberculosis, and other (except Pott's Tuberculosis, and other (except Pott's Tuberculosis, and other (except Pott's	795 31 31 31 46 46 46 46 47 47 47 47 48 49 41 41 42 43 44 45 47 46 47 48 49 40 41 41 42 43 44 46 46 46 46 46 46 46 46 46	15 30 1 1 2 6 264 4 2 1	3 11 2 2 11 3 3 322 11 3 3 322 11 3 4 3 3 322 11 3 1 5 11 4 1,740 2 8 4 3 6 9 3 3 3 3 2 2 2 120	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1,246 7,7 54 57 19 6 1055 1,1055 2,346 7,76 555 3 3 3 32 27,223 27,223 11 297 51 299 43 10 2 2 51 59 72 1,133	2 1 2 2 2 2 2 2 2 2 2 2 1 1 1 2 9 1 2 8 1 1 2 8 8 8 8 8 8 8 8 8 8 8 8 8 8				3 2 2 2 4 7 1 1 1 2 2 1 1 1 8 8 2 2 4 4	1, 105 2, 353 100 622 4 3 36 385 185 204 27, 234 4 1 298 533 319 10 3 52 67 72 1, 397
	Typhoid fever	2				2	1					2

The want of exact figures as to the number of exposures prohibits definite conclusions as to rates. However, diagram 37, making the traumatisms and diseases the basis of separation, emphasizes the predominance of the former in the Marine Corps and the predominance of the latter in the Navy.

DIVERSMOT. Claims awarded on contract and automatic insurance of members of the Navaland Military establishments. The proportions of traumatisms and diseases as causes of death or disability is represented for each organization.

IX. RANK OF THE INSURED.

The next study is that of the various ranks of those insured who met death or became disabled in the service. The rank is considered at the time of the death or occurrence of the disability. Table 23 presents the total number of persons in each rank insured in the Army, Marine Corps, Coast Guard and Navy. The group of privates in the Army is very much the largest. Diagram 38 brings out more strikingly the size of this group. The numerical preponderance shown by the "private" class is quite natural in view of the large number of privates exposed compared with the extent of exposure of members included in the other ranks. Diagram 39 presents a similar comparison in the Navy. In this diagram the rank corresponding to that of private in the Army, the seaman, shows up as having the largest number of deaths and disabilities. It will be noticed that in proportion as the rank becomes higher the number of deaths and disabilities becomes fewer.

CONTRACT AND AUTOMATIC INSURANCE-DEATH AND DISABILITY CASES.

Table 23.—Rank of the insured in organizations of the Military and Naval Establishments.

Darek		ny, inclu Nurse (Ma	arine Cor	ps.	Coast Guard.				
Rank.	Death.	Disa- bility.	Total.	Death.	Disa- bility.	Total.	Death.	Disa- bility.	Total.		
Private	77, 429 7, 769 5, 087 78	385 31 48	77, 814 7, 803 5, 135 78	1,950 346 225	6 1 1	1,956 347 226	96 25 2	1	97 27 2		
Second lieutenant First lieutenant Captain Major	1,658 1,680 611 137	4 5 4	1,662 1,685 615 138	51 22 21 10	1	51 22 22 10	2 1		2		
Lieutenant colonel Colonel General Rank not specified	49 54 3 451	2 3	51 54 3 457	10 1 1 2		1 1 1 2					
Total	95,009	486	95,495	2,629	9	2,638	126	1	127		

		vy, includ y Nurse Co	
Rank.	Peath.	Disa- bility.	Total.
Seaman. Petty officer. Warrant officer.	60	38 28 1	4,495 1,858 61
Cadet. Ensign Lieutenant (junior grade). Lieutenant Lieutenant commander Commander	180 84 38 31	2	152 84 38 31
Commodore or captain. Admiral. Rank not specified.	10		10 1 22
Total	6,721	69	6,790

Tam: 23.- Rank of the insured in organizations of the Military and Naval Establishments—Continued.

Rank.	Army, including Army Nurse Corps.	Marine Corps.	Navy, including Navy Nurse Corps.	Coast Guard,	Total.
Private or seaman. Corporal or petty officer. Sergeant or warrant officer. Cadet. Second lieutenant or ensign. First lieutenant or lieutenant ejunior grade) Captain or lieutenant Major or lieutenant commander. Lieutenant colonel or commander. Colonel, commodore, or captain. General or admiral. Rank not specified.	77, \$14 7, \$03 5, 125 7, \$1 1, 662 1, 685 138 51 3 457	1,956 347 226 51 22 22 10 1 1 1 2	1, 495 1, 858 61 182 84 38 31 8 10 1	97 25 2 2 1	84, 362 10, 033 5, 124 78 1, 895 1, 793 676 179 65 5 481
Total	95, 495	2,638	6,790	127	105,050

Army-Rank.

Per

.08

. 11

Cadet.....

Higher ranks.....

Rank not recorded

Diagram 38.—Contract and automatic insurance claims awarded for death and disability separated according to ranks of the insured members of the Army establishment.

A combination of the results of the two previous diagrams gives material for diagram 40, where ranks of the same grade in all organizations have been combined.

Tables 23 to 31, inclusive, present in detail the mortality and disability experiences by the causes for each rank of the four principal organizations.

Navy-Rank. Per eent of total number. 66, 2 Petty officer..... 27.4 Lieutenaut, junior grade . . . Lieutenant, senior grade... Lieutenant commander.... Commodore or captain Commander.... . 1 Admiral..... . 0

DIAGRAM 39.—Contract and automatic insurance claims awarded for death and disability separated according to rank of insured members of the Navy establishments.

Rank not recorded.

Rank in All Organizations.

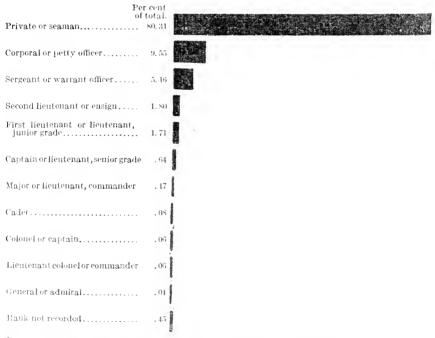


Diagram 40.—The total number of awarded claims under contract and automatic insurance divided by rank of the Insured at the time of the death or of the disability.

CONTRACT AND AUTOMATIC INSURANCE—DEATH CASES.

Table 21.—Discose and traumatism causes of death correlated with ranks of the insured in the Army, including Army Nurse Corps.

for all causes.	112	8 E54224 X E w 11 3 x 4 \$ 3 \$ 1 3 5 5 1 5 5 5 6 5 4 5 9 5 1 5 6 5 6 5 6 6 6 6 6 6 6 6 6 6 6 6 6	552
No rank specified.	s.		æ
Colonel, General.			
Colonel.			7
Lieuten- ant colonel.		1.00	
Major.	-	ge n ∞ n −n :	:0
Captain.			61
First licuten- and.	7	815년 중에 1 1884 815년 - 18 14 1 2 4 1	4
Second lieuten-	_	-X ଅଧିକର ପ୍ରଥମ - ଅଧିକରର - ଅଧିକର - ଅଧିକର	71
Cadet.			
Ser- geant.	=	- 5	7
Cor-	with	महाराज्य १ माण्य १५०० महास्था १ माण्य १५०० म	- -
Private.	93	到 到2000年至今×營业人口已以此符号发展与关键要求经验的表示处验器由提出第	SIS IS
Cause.	Disease or injury	Accidents Accidents Accidents Accidents Arplane Airplane Airplane Airplane Annimition (bombs, greades, explosives, etc.) Annim de, injured by, Authoric Antimorial and track Authorical Colories Bayone Bayon	Wason (animal drawn).

MILL	TART AND NAVAL INSUR	ANCE.	(3
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Disease. Abseess. Andrian Authrax Apoplexy, cerebral hemorrhage Apoplexy, pulmonary Approdictis. Ashma Bladder, diseases of. Bright's disease of (other than tuberculosis). Bright's disease. Creater and other tumors. Creater and other tumors.	Digestive System, other diseases of texcept emoer and tuberculosis. Diphtheria. Bais, diseases of Endocardius. Eyes, diseases of Gangreine. Eyes, diseases of Gangreine. Eyes, diseases of Gangreine. Influence and puelmonia. Influence diseases of Kidhey, other diseases of Kidhey, other diseases of Liver, diseases of Liver, diseases of Liver diseases of Loromotor attaxii. Malaria. Malaria. Malaria. Malaria. Malaria.	Menales Meastes and pmetmonia. Mental aliantins. Mental aliantino. Neuritis and neuralga. New discases of. Transysis.	Pericarditis. Pericarditis. Pericarditis. Pleurisy. Perists. Port stilicus and empyema. Port stilicus and empyema. Purileus infection—septicaemia. Respirationy system (other diseases of).

TABLE 24.— Discuss and transaction occurs s of death correlated with ranks of the instanced in the Army, including Army Nurse, Corps—Continued.

Total for all	28 2001 100 2014 2007 2008 2008	92,003
Normk pecified.	0 0 0	7
General.		00
Colonel, General, Specified,	1 2	
Lieuten- ant colonel.		67
Major.	7	137
Aptain.	1 1222 1	611
First lienten- Captain. ant.	111 2 1633 5	1,680
Second lieuten- ant.	H 20040 0	1,658
Cadet.	-	20
Ser- geunt.	100 100 111 117	5,087
Cor- poral.	5- 2000 E E	69' '
Private.	30 30 30 55 56 66 66 75 117 171 171 171 20 20 20 20 20 20 20 20 20 20 20 20 20	17, 429
Caller	Serrlet fever. Skin, diseases of. Shin diseases of. Smulpox. Speed diseases of Coxept Cancer). Styphili. Tuberculosis, meningitis. Tuberculosis, all other except Pott's disease Typhoid fever. Typhoid fever. Typhoid fever. Typhoid fever.	Total for all ranks.

CONTRACT AND AUTOMATIC INSURANCE—DISABILITY CASES.

TABLE 25.— Disease and traumatism causes of disability correlated with ranks of the insured in the Army, including Army Nurse Corps.

Total for all causes.		ŝ'	_	- 1	_	1	_	1	1	2	24	_	2
					:		:						
orberal, N		:	:		:						-		
Colouel, General, No rank													
Captain, Major, tenant Colonel,		-		:	-		:						
Major. t		:	-	:	-					:			
aptain.		_			-		:						
First lieu- tenaat.		:	:	-	:	:	:		:	:		:	
Second lieu- tenant. te		21			:	:	:					:	
Cadet. te		:		-		:	:						
Ser-		9	:	:	:		:	-		57			
Corporal.		5.		5						_			
'rivate.		ž.	-	7		-	-	-	- 1	27	0.3	_	·
Cause, P	TRAUMATISMS.	Action, wounded in	Airplane	Ammunition (bombs, grenades, explosives), etc	Animals, injured by	Automobile and truck	Bayohrd	Explosion	Fall of persons.	Gas (pokonous)	Camshot wounds	Injuries	Railtoad (rain (steam and electric)

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Disease. Anniber general permethan	Asthory, Astronomical Budder, diseases of Bright's disease. Bright's disease. Cancer and other tumors. Uncertainty system, other diseases of Licelatory System, other diseases of Diseases of Diseases of Cancer and Diseases of Control Cancer and	tubercubosis) Ears, diseases of Endocarditis Epilepsy Epilepsy Pres, diseases of Cangrene Heart, diseases of	Influenza and pneumonia. Lointy, diseases of. Mathry, other diseases of. Maiformations.	Mensles. Meningfils. Merral albration. Nervous system (other diseases ot).	Paralysis. Percentiliis. Pertonits. Petrunits. Petruise. Petruise.	Authern Internon—septuragema Respiratory system (other discusses of). Rlemmatism. Sphen, discusses of Stoniagh, discusses of (storeptemer).	Syphites. Therrenbosis, Itangs. Therrenbosis, all other except Poff's disease. Typhoid lever. Miscellaticous diseases.	Total

CONTRACT AND AUTOMATIC INSURANCE—DEATH CASES.

Table 26.- Discoss and transmitted causes of death correlated with ranks of the insured in the Marine Corps.

Total for all causes.		ののこのエアエーチョ	41.00
Norank f			
General.			
Colonel, General.			
Lien- tenant colonel.			
Major.			
Captain.	7 7		
First lieu. tenant.	<u> </u>		
Second lieu- tenant.	864		
Cadet.			
Private, Corporal, Sergeant, Cadet,	15 8.4 L	21 01	1 1 3
Private.		01014 -10-4-	e: - &
Causo.	Disease or injury Accidents Archano, killed or wounded in Antomobile and truck Antomobile and truck Commels Explosion Explosion Fall of objects Gas (polyects Gas (polyects Cas (poly	Disease. Abseess. Appendicités. Badder diseases of. Bradder diseases of (other than tuberculosis). Bright's disease. Bronchitis. Branchand other tumors. Circulatory System, other diseases of. Diabetres.	Unberdiosis), One consequence and Unberdiosis). Diphtheria. Early, diverses of. Hearly, diverses of.

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THE PERSON NAMED AND PARTY OF THE PE	Influenza	Maluria	Meningitis	Mental alienation.	Nervous system (other diseases of)	Pariearditis	Peritonitis.	Pleurisy.	Pneumonia and empyema	Purulent infection—Septicaemia	Scarlet fever	Small pox	Tuberculosis, lungs.	Tuberculosis, all other except Pott's disease	Typhoid fever	Miscellaneous diseases	Total for all rank

CONTRACT AND AUTOMATIC INSURANCE—DISABILITY CASES.

TABLE 27.—Disease and traumatism causes of disability correlated with ranks of the insured in the Marine Corps.

Total for all canses.		4 1			2	6
Norank specified.						
General.						
Colonel.						
First Lieu- lieu- tenant. Captain. Major. tenant colonel. General Specified.						
Major.						
Captain.				-		1
First lieu- tenant.						
Second lieu- tenant.						
Cadet.						
Sergeant.					-	-
Private. Corporal. Sergeant. Cadet.		1		1		1
Private.		3				9
Cause.	TRAUMATISMS.	Action, wounded in. Gas (poisonous).	DISEASE.	Bright's disease. Diabetes	Heart, diseases of	Total

CONTRACT AND AUTOMATIC INSURANCE—DEATH CASES.

Table 28. Disease and translation causes of death correlated with ranks of the insured in the Nays, including Nacy Navy Corp.

Disease or injury. TRAT MATISMS. 18 9 2 1 2 2 4 2 2 4 2 2 4 4	tenant (Com- modere con- namer. captain.	Admiral, Sorauk specified.
200		
S, explosives, etc., 1 10 11 11 12 13 14 15 16 17 18 18 18 18 18 18 18 18 18		
Secreptosives, etc., 1 10 11 11 12 13 14 15 15 16 17 18 18 18 18 18 18 18 18 18	61	
3		
15. 4		
15. 15. 15. 15. 15. 15. 15. 15. 15. 15.		
3 3 3 3 3 3 3 4 5 5 5 5 5 5 5 5 5 5 5 5		
3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3		
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35 16 2 2		
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DISEASES.		
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ត្ ^ត បាលីលា⊳∞ច	4.8 s s s s s s s s s s s s s s s s s s s	30 30 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	201126 20141 3041	1, 216 20 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	#01##~150008	4, 457
Appendicitis. Bladder, diseases of cother than tuberentosis). Bright's disease. Brouchitis. Cancer and other tumors. Circulatory system, other diseases of.	Ditestivesystem, other diseases of (except cancer and trubernolisis) Diputhera: Ears, diseases of Entreductivis Epitepsy Gangrone	Heart, diseases of Heart, diseases of Hempi, diseases of Hempi, diseases of Hulluenza and pneumonia Influenza and only diseases of Kithneys other diseases of	Liver, diseases of. Mahrin Marshes Measles Mensles Mendingthon Men	Pericarditis Pericarditis Pleurisy Pleurisy Pleurisy Prentronia and empyeema. Pericardit infection—septicacinia Respiratory sistem (other discusses of	Skin, diseasts of. Smallyox Somath, diseasts of (except cancer). Styphilis. Tuberculests, meningtis. Tuberculests, all other except. Pott's disease. Typhod lever. Miscellaneous diseases.	Total.

CONTRACT AND AUTOMATIC INSURANCE—DISABILITY CASES.

Table 29.- Discust and traumatism causes of disability correlated with ranks of the insured in the Navy, including Navy Nurse Corps.

Tubereulosis, fungs. Miscellancous diseases

TABLE 30.—Discuss and transactism causes of death correlated with ranks of the insured in the Coast Guard. CONTRACT AND ACTOMATIC INSCINANCE—DIMENT CASES.

Санзе,	l'rivate.	Private, Corporal.	Ser- geant.	Cadet.	Second lieu- tenant.	First lien- tenant.	Captain.	Major.	Lieu- tenant eolonel.	Colonel, General	General.	No rank speci- fied.	Total for all eauses.
TRAUMATISMS. Automobile and truck Drowning Cimisol wounds Injuries Droks at Sra Murder Railread train (steam and electric)		C1 -12 -				2							ньян%нян
Disease. Disease. Diabetes. Endocarditis. Influenza and pneunonia. Tuffuenza. Mensles.	⊅ ०० ल ०० ल ल												# 22 22
Meastes and pretaionia Paralysis. Paralysis. Preumonia and empyena Purnlent infection—septicaemia. Rim diseases of. Puberculosis, lungs. Miscellaneons diseases.	8	LG .											
Total for all ranks.	\$	255	21			53	-						138

CONTRACT AND AUTOMATIC INSURANCE—DISABILITY CASES.

TABLE 31. Discuss and traumatism causes of disability correlated with ranks of the insured in the Coust Guard.

	Canse.		Private, Portal.	Cor- poral.	Ser- geamt.	Cadet.		First lieuten- ant.	Second First Labelian Major Laber Colonel General. ilenten ant. ant.	Major.	Lieu- tenant colonel.	Colonel.	General.	No rank Total Speci- for all causes.	Total for all causes
	DISEASES.	-	-				_			-					
Tuberenlosis, lunes		:	_			:	:			:					
			-								-			-	
Total	Total		_	:				:		:	:				

The Army and Navy, with their respective ranks, are selected and made the subjects of the traumatism and disease cause studies in diagrams 41 and 42. Here the higher ranks mean very little, owing to the extremely limited size of the groups. It so happens that the three

		Army.	
Rank.	Per cent. Trauma- Dis- tisms, cases	Traumalisms.	Diseases.
Private	43.0 57.0	the second second second second second	
Corporal	69. 0 31. 0	NAC SOLD SECTION	A STATE OF STATE
Sergeant	55.0 42.0	《中国》(中国)	\$11×15/27
Cadel	76.0 24.0	14-14-14-14-14-1	为关。0.64年,产6年来的"
Second lientenant	72.0 28.0	THEM IS IN THE	建设设置
First lieutenant	66.0 34.0	AND THE SAME SAME	1.00 A 1 C 1.00
Captain	54.0 46.0		Boa St
Major	47. 0 53.	· · · · · · · · · · · · · · · · · · ·	
Lieutenant colonel	57.0 43.0		
Colonel	31.0 69.0		
General	0.0 100.0		
Rank not recorded	17.3 82.	A State .	
Total	47.0 53.6	SANCE A CONTRACT	

DIAGRAM 41.—Claims awarded on contract and automatic insurance of members of the Army Establishment. The proportion of traumatisms and diseases as causes of death or disability is represented for each rank.

generals of the Army and the one of the Marine Corps who died all died of diseases, and consequently the representation in diagram 41 shows a 100 per cent disease mortality for the rank of general. On the contrary, the one admiral to die is classified under traumatisms, and

Navy.

Trauma- Rank, tisnis, e		Traumatisms. Diseases.
Seaman	53.0	
Petty officer 27. 0	73.0	
Warrant officer	59. 0	
Ensign	56, 0	
Lieutenaut, junior grade 36.0	64, 0	
Lieutenant, senior grade 53.0	47.0	AGA CONTRACTOR OF THE STATE OF
Lieutenant commander 29.0	71.0	技术研究
Commander 25. 0	75. 0	
Captain	90, 0	
Admiral	0. 0	Charles and the second of the
Rank not recorded 18.0	52.0	
Total	79. 0	

DIAGRAM 42.—Claims awarded on contract and automatic insurance of members of the Navy Establishment. The proportion of traumatisms and diseases as causes of death or disability is represented for each rank.

hence the representation in diagram 42 for the rank of admiral is the reversal of that for the corresponding rank in the Army. Loose reasoning might result in the conclusion that the rank of admiral was the most hazardous of all ranks while that of general was the least so. The study of the foregoing group of tables reveals a striking excess percentage of suicides among commissioned officers. Of the 633 suicides in all the ranks 78, or 12 per cent, were among officers. However, the mortality of this class constituted only 5 per cent of the total number of deaths. Of the 5,209 deaths among the officers 78, or 1.5 per cent, were suicide, while of the 99,276 deaths among privates and noncommissioned officers, 555, or only 0.6 per cent, were suicide.

X. COUNTRY OF DEATH OR DISABILITY.

Tables 32, 33 and 34 give the mortality and disability experience notated as to the country in which deaths and disabilities occurred. Comparison of the above two tables will show that about 58 per cent

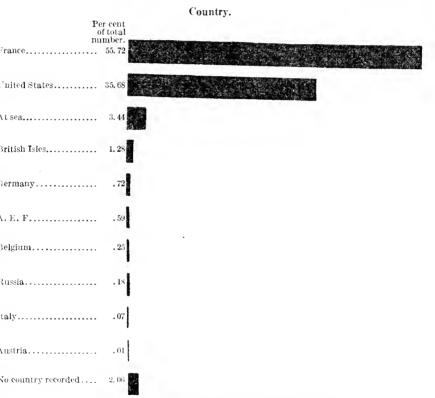


DIAGRAM 43.—The country in which the death or disability of the insured occurred; the total number of contract and automatic insurance claims awarded is taken.

of the deaths covered by contract insurance occurred in France, while about three-fourths of the deaths covered by automatic insurance occurred in the United States. Table 34 is the summary of the previous two tables and by means of it the deaths or the disabilities occurring in any country are easily obtained. Diagram 43 makes comparison of the total experience in all countries.

CONTRACT INSURANCE—DEATH AND DISABILITY CASES.

Table 32. - Country in which death of disability occurred.

Counity Counity Counity Counity Counity Number Monthly Amount of Number Monthly Amount of Number Monthly Mon			Death.			Disability.	y.		Total.	
33, 15, 31, 77, 722, 34 S80, 31, 630, 917, 00 267, 812, 908, 89 82, 245, 024, 00 33, 730, 431, 30 83 5, 15, 3, 62, 611, 87 366, 111, 630, 00 107 5, 330, 34 927, 046, 00 58, 245 3, 677, 972, 21 5 7, 330, 31, 322, 33 12, 785, 318, 60 13 523, 25 10, 600, 60 3, 333, 34 11, 425, 39 11, 425, 39 1, 331, 34, 342, 34, 34, 34, 34, 34, 34, 34, 34, 34, 34	Country.	Number.	Monthly payment.	Amount of insurance.	Number.	Monthly payment.	Amount of insurance.	Number.	Monthly payment.	Amount of insurance.
	United States and possessions France A I sea Brifish 18kes A. E. F. (not otherwise specified). Religium Germany Anstria. Another Researched. Another France Another Franc	2소중품품(유) 1 동강제 1	2, 127, 127, 128, 129, 129, 129, 129, 129, 129, 129, 129	5367, 385, 217, 00 536, 111, 630, 00 25, 785, 318, 00 12, 411, 807, 00 1, 802, 000, 00 5, 564, 165, 00 7, 189, 523, 00 13, 160, 170, 00 13, 160, 170, 00		66	49	88.4	81,78, 83, 89, 87, 98, 98, 98, 98, 98, 98, 98, 98, 98, 98	San, 640, 241, 00 537, 038, 646, 00 28, 839, 318, 00 1, 802, 000, 00 1, 802, 000, 00 5, 54, 165, 00 2, 512, 501, 00 10, 000, 00 13, 602, 179, 00

AUTOMATIC INSURANCE—DEATH AND DISABILITY CASES.

Table 33. Country in which death or disability occurred.

	Amount of insurance.	\$16, 805, 000, 00 1, 1285, 000, 00 1, 2385, 000, 00 40, 500, 00 4, 500, 00 5, 000, 00 3, 001, 500, 00 22, 110, 000, 00
Total.	Monthly payment.	892, 350, 00 6, 600, 00 6, 500, 00 525, 00 225, 00 25, 00 25, 00 17, 155, 00 124, 500, 00
	Number.	3, 734 204 274 274 8 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	Amount of insurance.	92 \$2,300,00 2 50,00
Disability	Monthly payment.	\$2,300.00 50.00 50.00 600.00 3,000.00
	Number.	92 2 2 2 2 4 2 4 2 1 2 0 1 1 2 0 1 1 2 0 1 1 2 0 1 1 1 2 0 1 1 1 2 0 1 1 1 1
	Amount of insurance.	\$16,389,000,00 1,173,000,00 1,224,600,00 20,000,00 4,300,00 2,983,500,00
Death.	Monthly payment.	\$81, 650, 00 6, 550, 00 6, 550, 00 6, 500, 00 6, 500, 00 25, 00 26, 00 2
	Number.	6.63 6.63 6.63 6.63 6.63 6.63 6.63 6.63
	Country.	United States and possessions. A traine. A. E. P. (not otherwise specified). A. E. P. (not otherwise specified). Germany. Austria. No country recorded. Total.

CONTRACT AND AUTOMATIC INSURANCE—DEATH AND DISABILITY CASES.

Table 34. Country in which death or disability occurred.

		Death.			Disability.	y.		Total.	
Country.	Number.	Monthly payment.	Amount of insurance.	Number.	Montbly payment.	Amount of insurance.	Number.	Montbly payment.	Amount of insurance.
United States and prosessions France	55.7 12.7 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5	81, 85, 572.50 5, 694, 191.57 172, 582.58 173, 582.50 10, 581.50 11, 188.55 1, 188.55	\$323, 784, 217, 00 \$37, 290, 630, 00 12, 452, 307, 00 1, 802, 600, 00 5, 600, 163, 00 723, 500, 00 743, 500, 00 161, 143, 673, 00	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	\$15,208.89 5,380.31 5,780.31 577.50 115.00 115.00 3,141.50	82, 655, 021, 00 835, 146, 00 100, 600, 00 10, 600, 00 20, 600, 00 20, 600, 00 550, 600, 00	3,5,486 3,5,486 3,5,29 1,3,15 1,89 615 2,66 2,133 2,133	81, 83, 741.39 3, 694, 572.21 172, 696, 68 71, 696, 68 19, 881.39 19, 881.39 11, 139.85 11, 146.85 11, 146.85	S386, 113, 211, 00 538, 226, 646, 00 12, 182, 907, 00 1, 802, 600, 00 5, 620, 165, 00 733, 500, 00 7, 144, 023, 00 16, 688, 679, 00
Total	104, 455	5, 386, 052. 47	937, 444, 340.00	565	24, 648.98	4, 305, 040.00	105, 050	5, 410, 701. 45	941,749,380.00

The group "A. E. F." in these tables carries all those cases in which no definite country was reported for the place of the death or disability, but in which the evidence at hand pointed toward the insured's having died or having been disabled while a member of the American Expeditionary Forces. This group represents the different European countries where our forces were stationed. A number of deaths from diseases, or, in event of the sinking of a transport, from drowning, occurred while the insured were in passage across the ocean. These

				Country.								
	Per ce Trau- ma- tisms.	Dis- eases										
t nited States	7	93	要许。]
France	73	27	the state of the state of	"特别"		4		发 点				1
At sea	4.1	- 5h				1.5 1/			46.44	11.		- 1
۱. E. F	65	35				1560	2	-111				
British Isles	10	90	- (2)					-]
Belgium	86	14	2.00	in the second		+ 1, 1			S CONTRACT	X.]
Italy	35	65	公共 等的提	100000				1.5	- 2.1]
Russia	52	45	《大学》									1
Germany	20	80	\$1.73 × 34 6		2.1							3
Austria	39	61	ALL STATE	4,00			275			7.7]
No country re- corded	11	86	对社会	74 J.W.				777			1 ()]
Total	46	54	Marie Menter		this "	<u> </u>		15 / A	17-7-18	r Prija	14-14-1]

DIVIGIAN 44.—Claims awarded on contract and automatic insurance of members of the Naval and Military establishments. The proportion of tranmatisms and diseases as causes of death or disability represented for each country in which they occurred.

cases are grouped in a class designated as "At sea." If, however, the death or disability took place while a vessel was in harbor, the country was taken to be that in which the harbor is located.

Correlation of the cause with the country of death is made in Table 35 and the correlation of the cause with the country of disability is made in Table 36. It will be noticed that for each country there appears as a traumatism "lost at sea." These cases have arisen because of drowning accidents and other traumatisms occurring in the harbors of the indicated countries.

CONTRACT AND AUTOMATIC INSURANCE—DEATH CASES.

Table 35. - Disease and transmatism causes correlated with country in which the death occurred.

ense. anse. ses	United States and pos- sessions.	France.	At sea.	British Isles.	North Russia and Siberia.	A. E. F. (not otherwise specified).	Italy.	Belgium.	Belgium. Germany.	Austria,	No country recorded.	Total, all
Disease or injury.	44	33	60						55		98	
TRAUMATISMS.												
A ccidents.	8.8	40, 142	<u>61 22</u>	25.02	c1 €	380	9	220	. i	23		41,062
Airplane. Ammunition (bombs, grenades, explosives, etc.)	25 Z Z	15 H	— C1	59	C1	1	л Н	- i		.71	# 'C	
Animals, injured by. Athletics,	g x į	-							1 5		. 60 K	
Automobileand truck	77.	130	**	n		-		-				
Bayonet	0.00		- :									
Chemicals	2 12	7.	-115						1		C1	
Cold, excessive	C1 (-	_							- 5	
Ordil. Drowning	340	171	:3	7					-		37	
Explosion	7.0	3	ਲ				C1				×-	
Fall of objects.	~ ~	9F 9F	r 10	- 1	-				2.1		13	
Poreign objects.	1	G 1	2 61		' !							
Gas (poisonous).	67	24×	_			ю:			20.0		:	
dushot wounds	626	25.5	oc E	· ·	_	21		-	3 2		15	
Injuries.	5 S	49		T'	2				4	_		
Lost at sea	31	C1	1, 325	9								r
Machinery	7	æ 5	_			-			1		4	
Motorevele	40	15		-		. 57					9,	
Murder	8	= ;	C3 +			:					4- CT	
Poisoning	% % % %	28.5	-		60	10			5		° 8	
Shell shock	-	13				-		_				_
Shot	129	110	00 0		5	:			,		٥	
Sincide	. [:]	125	15.	9	7		≎1	_	c		23	

Table 35. Disease and transaction causes correlated with country in which the death occurred. Continued.

Part Street Browning	Callso	States and pos- sessions.	France.	Al sen.	British Isles.	North Russia and Siberia,	A. E. F. (not otherwise specified).	Italy.	Belgium	Belgium, Germany. Austria.	Austria.	No country recorded.	Total, all countries.
1	DISPASINA.							1					-
1	Disease	27.1	2 ;	t ~ 3	217	:	£4			-		Ē.	_
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Soft. 155 of (except cancer and leaves) 157 of (except cancer and leaves) 158 of (except cancer and leaves) 159 of (except cancer and leaves) 150 of (except cancer and leaves) 150 of (except cancer and leaves) 150 of (except cancer and leaves) 151 of (except cancer and leaves) 152 of (except cancer and leaves) 153 of (except cancer and leaves) 154 of (except cancer and leaves) 155 of (except cancer and leaves) 156 of (except cancer and leaves) 157 of (except cancer and leaves) 158 of (except cancer and leaves) 159 of (except cancer and leaves) 150 of (except cancer and leaves) 150 of (except cancer and leaves) 150 of (except cancer and leaves) 151 of (except cancer and leaves) 152 of (except cancer and leaves) 153 of (except cancer and leaves) 154 of (except cancer and leaves) 155 of (except cancer and leaves) 157 of (except cancer and leaves) 158 of (except cancer and leaves) 159 of (except cancer and leaves) 150 of (except cancer and leaves) 151 of (except cancer and leaves) 152 of (except cancer and leaves) 153 of (except cancer and leaves) 152 of (except cancer and leaves) 153 of (except cancer and leaves) 154 of (except cancer and leaves) 155 of (except cancer and leaves) 155 of (except cancer and leaves) 155 of (except cancer and leaves) 157 of (except cancer and leaves) 158 of (except cancer and leaves) 159 of (except cancer and leaves) 150 of (except cancer and leaves) 151 of (except cancer and leaves) 152 of (except cancer and leaves) 153 of (except cancer and leaves) 151 of (except cancer and leaves) 152 of (except cancer and leaves) 153 of (except cancer and leaves) 152 of (except cancer and leaves) 153 of (except cancer and leaves) 154 of (except cancer and leaves) 155 of (except cancer and leaves) 157 of (except cancer and leaves) 157 of (e		F (5	1 -		-								
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6 (Coverpt cauterrand) 15	cer and other tumors	-1	<u>74</u>	77				_			:	51	_
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11. 40% 1. 60% 2. 50 2.	ri, diseases of,	9 :	Ξ	S .	, .					<u>, </u>	:	= '	_
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2	omotor ataxia	24								:		-	
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	ntal alienation	47	212	Ē	-	•	2	1	:	<u>-</u>	1	ē ×	
6 98	rvous system (other diseases of).	38	5.	: 24								· ×	

УD	101, 455	2,083	23	753	197	7.8	613	189	1,314	3,602	58, 420	37, 127	Total
1 A	21.54	- (g		2	1	-	12		7	14	252	=	Typhus fever. Miscellaneous diseases.
III.	7 8 8 7 8 7 8 8 8	43		m	24		01		: -1		52	48	Tuborenosis, an other except from statesse Typhoid fever
11.1.2	1,187	349		4			91	1	1 :	-91	2 %	÷31	Tuberculous, menungitis. Tuberculous, tungs.
IL	181	21									2!	120	Syphilis
11	G 61 ;											: 01 -	Spleen, diseases of.
	\$:							_	23 :	S :	Skin, diseases of
	$2\overline{19}$	10		C3			-		01	,	- 15	112	Searlet fover
	99	PT -		-		-			~ -	_	2 =	₹ =	Respiratory system (other discuses on).
	297	63		9				C1	71	17	Ξ	191	Purnlent infection-septicaemia
	27, 223	2H2	C1	± 55	63	či	150	52	 	200	Ξ΄	15, 202 -	Pneumonia and empyema.
	202	=		_		_			-		99	148	Pleurisy
	7	1		-			C1		17	-1-		105	Peritonitis.
	32	æ		c					71			28	Paralysis Poricarditis
		*********									_	•	Nose, diseases of

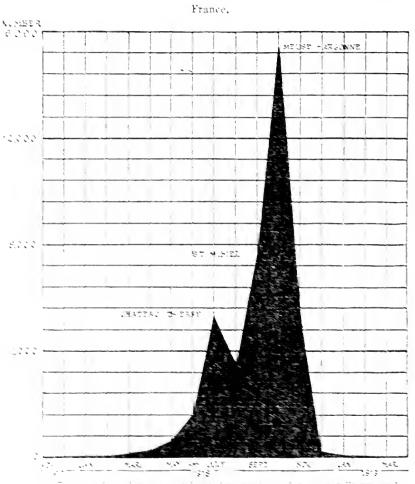
CONTRACT AND AUTOMATIC INSURANCE—DISABILITY CASES.

Table 36. - Disease and traumatism causes correlated with country in which the disability occurred.

Pta and sessi	United States and possessions,	M sen.	British Isles.	North Russia and Siberia.	A. E. F. (not otherwise specified).	Italy.	Belgium, Germany, Austria,	rmany	Austria.	No country recorded.	Total, all countries.
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			lisease						ma	ticaen	ner dis		:	cept c	:	-	xeept		
		:	other	algia.					mpye	n-sep	m, of		Ţ	of (ex		28	other o	ases.	
		nation	stem,	d nem					and e	fection	7 syste.	u.	335 O.	iseases		is, hun	is, all c	us dise	Total
Megyles	Meningitis	alalier	0118 SV:	itis and	vsis	Pericarditis	onitis.	Pleurisy	neumonia and empyema	lent in	iratory	matisi	n, dise	Stomach, diseases of (except cancer	ilis	reulosi	reulosi	Miscellaneous diseases	Total
7	Meni	Ment	Nerv	Neur	Paral	Peric	Perit	Pleur	Pneu	Puru	Respi	Rhèu	Splee	Stom	Syph	Tube	Tube	Lisce	

The most instructive result of the tables comes in the traumatism and disease groupings for each country. Diagram 44 presents these comparisons. The United States shows a very small number of traumatisms, and these are largely injuries sustained incident to the transportation and to the training of men. When the records are complete for all such traumatisms occurring in this country, a mortality study similar to that usually made from industrial casualties



Control of the control

The same of the same of the same and the same mentioned should be same to constitute transmittens, in spite of the fact that produce of the fact that produce of the same with the same exist certain resks connected to the same transmittens of the same that the produce of the same transmittens of the same transmittens. The same but the same transmittens of the same but the same transmittens of the same transmittens of the same transmittens. The same transmittens of the same transmittens of the same transmittens of the same transmittens of the same transmittens. The same same definition is the same transmittens of the same transmittens of the same transmittens of the same transmittens.

CONTRACT AND AUTOMATIC INSURANCE—DEATH CASES.

Table 37.—Claims awarded for death occurring in United States, distributed according to selected causes of death and date of death.

Date of death.	Killed or wounded in action.	Influ- enza and pneu- monia.	Influ- enza.	Measles and pneu monia.	Pneu monia	Meningi Us,	Tuber- culous meningi tis,	Tuber culosis, pulmo nary,	Tuber- culosis, all offier,
April May June July Angust September October November December	2	1	2 2	5 6 2 1 1 3 4 117 199	16 12 31 12 16 13 56 302 641	13 31 17 10 7 2 23 73 131	1 1 2 1		1 2
January	1 3 2 1 6 6 6 1 2	2 1 1 5 7 1,361 10,331 1,309 670	2 1 267 313 50 39	152 87 43 43 20 6 12 5 4 69 28 32	674 484 617 743 296 134 112 117 1,222 5,712 643 457	187 119 96 81 62 28 40 31 18 100 50	1 + 4 + 3 + 4 + 17 3 3 - 22	8 24 26 21 46 25 28 26 31 46 38	8 11 3 9 7 5 4 4 7 4 2 1
1919. January. Pebruary. March. April. May. Vot.1.	2 1 	485 135 80 11	32 20 7 1 1 1	13 7 2 2	452 1°5 129 15 5	41 28 21 5 1	2 1 1 2 1	41 25 36 12 1	4 2 1 2 2 1 2 2 1 7 8

Table 38.—Claims awarded for death occurring in France, distributed according to selected causes of death and date of death.

Date of death.	Killed or wounded inaction.	Influ- enza and pneu- monia.		Measles and pueu- monia.	Pneu- monia.	Meningi- tis.	Tuber- culous meningi- tis.	Tuber- culosis, pulmo- nary.	Tuber- culosis, all other.
1917.								-	
July					2				
August					1				
September	-1				2	1			
October					. 5]]]	
November				.1	17 38				
December	i a			11	.17	, ,		1	
1918. January. February. March. April. May. June. July. August September. October. November.	13 33 168 300 640 1,654 5,389 3,421 7,619 15,356 5,469 239	2 4 11 158 918 272 75	1 1 2 8 22 176 60 27	11 1 1 1 4 1 1 11 97 21 31	120 49 92 47 59 76 93 110 4,368 5,128 1,365	24 13 21 23 15 15 12 18 45 185 153 118	3 3 2	2 3 1 1 6 8 3 6 25 23 33	2 6 2 1 3 2 6 3 9 3 3 11
January. January. Pebruary. March. April May. June.	98 61 24 10 2 1	61 107 31 4	12 12 6 4	6, 1	458 848 273 49	76 61 50 12 1	1 5 1	53 50 43 24 1	
Total .	40, 522	1,616	3.31	101	11,023	853	17	201	70

Table 39.—Claims awarded for death occurring in British Isles, distributed according to selected causes and date of death.

Date of death.	Killed or wounded in action.	Influ- enza and pneu- monia.	Influ- enza.	Measles and pneu- monia.	Pneu- monia.	Meningi- tis.	Tuber- culous meningi- tis.	Tuber- culosis, pulmo- nary.	Tuber- culosis, all other.
1917. September October November. December				1		1			
1918. January Pebruary. Murch April May. June.		1			9 4 11 8 5	2 1 1 3	1		·····i
July . August . September . October . November .	1 3 20 4	23 205 40	11 6		7 4 105 503 68	5 4 4 13 5		1 1 1 1 1	
December	. 1	2 1			10 3 5 3			1	1
April		280			763	44	1	7	3

Table 40.—Claims awarded for death occurring at sea, distributed according to selected causes of death and date of death.

Date of death.	Killed or wounded in action.	Lost at sea.	Influ- enza and pneu- monia.	Influ- enza.	Measles and pneu- monia.	Pneu- monia.	Menin- gitis.	Tuber- culous menin- gitis.	Tuber- culosis, pulmo- nary.	Tuber- culosis all other.
April		1 1 1 2 3 4 20 43 58				1 2 1 2 2	1 1 6 1 3	1	1	
1918. January. February March April May June July August September October November December	2	8 218 24 34 51 101 24 33 140 537 4	68 404 29 14	113 3	3 2 1	12 13 24 28 11 7 10 6 168 674 36 14	3 2 2 1 3 1 6 1 2 16 2 4		2	1 1 1 1 1 1
1919. January February March April. Total		$\frac{2}{1}$ $\frac{2}{7}$ $\frac{1}{7}$	9 11 9 	122	6	27 29 22 4 1,093	2 3 3	1	3 4 2 16	1 7

Table 41.—Claims awarded for death occurring in Germany, distributed according to selected causes of death and date of death.

Date of death.	Killed or wounded in action.	Influ- enza and pneu- monia.	Influ- enza.	Measles and pneu- monia.	Pneu- monia.	Meningi- tis.	Tuber- culous meningi- tis.	Tuber- culosis, pulmo- nary,	Tuber- culosis, all other.
1918. April July Angust September October November December	1 5 6 15 7 16 5	1 1 10	3 1		1 3 2 66				
1919. January. February. March April	3	8 26 3	1 2	1 1 2	100 227 63 11	4 6 5 2		1 1 1	

sive predominance of diseases has been the result of previous wars. The bar representing the separation of traumatisms and diseases occurring at sea shows an excess of the latter. Further analysis of Table 35 shows that deaths which occurred at sea from disease were

mainly the outcome of the influenza-pneumonia epidemic.

The foregoing group of tables makes a detailed analysis of the principal causes of death tabulated serially according to the month of death, with the separation of cases into the five places in which the largest number of deaths occurred. A summary of the battle deaths in France by the months of occurrence may be obtained from Table 38. This is the subject of diagram 45 which correlates the peaks of the battle death curve with the principal battle engagements. Though there was a gradual increase in the number of deaths each month there were comparatively few until June. In that month engagements of Belleau Wood took place. The month of July is significant, for within this month the American forces suffered comparatively heavy losses in the Allied offensive against the German salient situated between the Aisne and the Marne Rivers. September, 1918, the American forces first took the offensive and played an important part in the reduction of the St. Mihiel salient. From the last week in September to November the most important offensive in which our forces had a part, that of the Meuse-Argonne, took place. This period exacted the heaviest death toll, making October the month of maximum battle mortality.

The influenza incidence in the United States, in France and among troops on board transports is emphasized in diagram 46. Here the month of October is again that of maximum mortality. We see thus that the maximum battle deaths and the maximum influenza-pneumonia deaths coincide in the month of October, in which lies the explanation for the exceedingly large number of deaths in that month. The diagram strikingly portrays the rapid, explosive character of growth in the influenza epidemic. The course of the mortality in the groups considered is the same but its intensity is very much

greater in the United States.

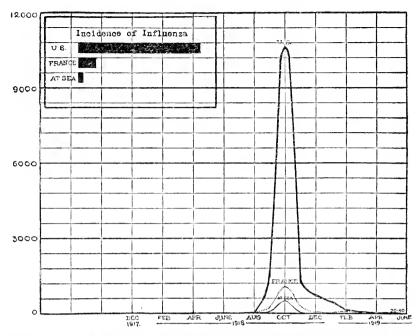


DIAGRAM 46.—Influenza, as a cause of mortality among insured while in the United States, France, or at sea, by date of death. Only claims wherein contract or automatic insurance has been awarded are considered.

The four principal organizations of the insured for whose death insurance has been awarded also affords another detailed study of the principal causes of death in the United States, in France, in the British Isles, at sea and in Germany. The following tables present this analysis.

CONTRACT AND AUTOMATIC INSURANCE—DEATH CASES.

Table 42.—Claims awarded for death occurring in the United States, distributed according to organizations of insured and selected causes of death.

Organization.	Killed or wounded inaction.	Draw area	Influ- enza.	Measles and pneu- monia.	Pneu- monia.	Meningi- tis.	Tuber- culous meningi- tis.	Tuber- culosis, pulmo- nary.	Tuber- culosis, all other.
Army Navy Marine Corps Coast Guard	2	12,557 1,659 189 3	339 385 12 1	\$18 43	11,816 1,261 107 18	1,036 249 14	43 2	433 44 5	65 12
Total	36	14, 108	737	862	13,202	1,299	45	482	78

Table 43.—Claims awarded for death occurring in France, distributed according to organizations of insured and selected causes of death.

Organization.	Killed or wounded in action.	Influ- enza and pueu- monia.	Influ- enza.	Measles and pneu- monia.	Pneu- mouia.	Meningi- tis.	Tuber- eulous meningi- tis.	Tuber- culosis, pulmo- nary.	Tuber- culosis, all other.
Army Navy Marine Corps Total	1,838	1,614 19 13 1,646	325 5 1	201	10,819 110 94	825 7 21 853	17	288 4 2 294	69

Table 44.—Claims awarded for death occurring in British Isles, distributed according to organizations of insured and selected causes of death.

Organization.	Killed or wounded in action.	Influ- enza and pneu- monia.	Influ- enza.	Measles and pneu- monia,	Pneu- monia.	Meningi- tis.	Tuber- culous meningi- tis.	Tuber- eulosis, pulmo- nary.	Tuber- eulosis, all other.
Army Navy Marine Corps		258 20 2	14 3	16	699 62 2	38 6	1	6 1	3
Total	29	280	17	16	763	44	1	7	3

Table 45.—Claims awarded for death occurring at sea, distributed according to organizations of insured and selected causes of death.

Organization.	Killed or wounded in action.	Lost at sea.	Influ- enza and pneu- monia.	Influ- enza.	Meas- les and pneu- morna.	Pneu- monia.	Menin- gitis.	culous	Tuber- culosis, pulmo- nary.	culosis.
Army Navy Marine Corps Coast Guard		672 588 4 61	382 131 30	88 34	6	798 254 41	20 43 1	1	6 10	7
Total	13	1,325	546	122	6	1,093	64	1	16	

Table 46.—Claims awarded for death occurring in Germany, distributed according to organizations of insured and selected causes of death.

Organization.	Killed or wounded in action.	Iufiu- enza and pueu- monia.	luflu- cuza.	Measles and pueu- monia.	Pneu- monia.	Meningi- tis.	Tuber- culous meningi- tis.		culosis,
Army Navy	59	48	8	2	456	18		4	1
Marine Corps Coast Guard	2				17				
Total	61	49	8	2	473	18		4	ı

Diagram 47 combines deaths in the Array and in the Marine Corps and considers the influenza and pneumonia deaths in the United States and France. It further emphasizes the fact that the influenza epidemic was more serious in this country than it was in France.

Influenza and Pneumonia-Army, Including Marine Corps.

	Perei U.S. F		United States. France
Influenza and pneumonia	85.7	11.3	
Premaonia	52.2	47.8	
Measles and pheurnonia	50.3	19.7	
Influenza	51.8	48.2	

Nu	imber.	
Influenza and pneumonia	$\frac{12,746}{1,627}$	
Pneumonia	11,023 10,913	
Mea desend pneumonia	815 201	220 0
Influenza	331 323	

Divoram 47.—Relative and comparative incidence of influenza and pneumonia as death causes in the United States and in France among insured in the Army and the Marine Corps attached to it. Only claims wherein contract or automatic insurance has been awarded are considered.

XI. A STUDY OF PERMANENT AND TOTAL DISABILITIES.

The group of disability cases analyzed in the insurance study is comparatively small, due to the fact that only those who are permanently and totally disabled are entitled to receive benefits. As this class is of sufficient importance to warrant special consideration, the following paragraphs concern themselves with detailed analysis of the cases that compose it. Table 47 gives the list of the causes of these disabilities showing in each cause group all those who have died since the insurance award has been made.

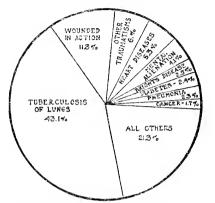
CONTRACT AND AUTOMATIC INSURANCE-DISABILITY CASES.

Table 47.—Insured who are still alive or have died since dute of original award, showing causes of disability.

	('ontrae	(.	1.	utomat	ic.		Total.	
Cause.	Origi- nal cases.	Since died.	Still alive.	Origi- nal cases.	Since died.	Still alive.	Origi- nal cases.	Since died,	Still alive.
TRAUMATISMS.									
Accidents Action, wounded in Airplane Ammunition (bombs, grenades, ex-	1 69 2	1	69 1	1		1	70 2	1	70 1
plosives, etc.). Animals, injured by Automobale and truck	1		1			• • • • • • • •	1 1		1 1
Balloon. Bayonet. Explosion. Fall o fobjects.	1 1 1		1 1	1		1	1		1 1
Fall of persons. Gas (poisonous). Gunshot wounds.	$\begin{array}{c} 1\\6\\2\\2\end{array}$		6 2 2				1 6 2		1 6 2 2
Injuries	3		3	4	1	3	2 7	1	6
Disease. Alcoholism Apoplexy, cerebral hemorrhage. Asthma	$\begin{array}{c} 1 \\ 1 \\ 2 \end{array}$	<u>1</u>	<u>1</u>				1 1 2	1	1
Asthma. Bladder, diseases of. Bright's disease Cancer and other tumors.	$\begin{array}{c} 1 \\ 1 \\ 14 \\ 10 \end{array}$	1 9 5	1 5 5	1	1		1 15 10	1 10 5	1 5 5
Circulatory system, other diseases of Diabetes	9 12	5 10	2	2	2		9 11	12	1 2
tuberculosis Ears, diseases of Endocarditis Epilepsy	1 3 1	3	1 1				1 1 3 1	1 3	1
Eyes, diseases of. Gangrene. Heart, diseases of. Hernia	23 4	20	16 3 4	2 1 7	1	2 1 3	18 1 30 4	24	18 1 6 4
Influenza and pneumoma	1 3 2 2	1 2 1	1 2	1	1		2 3	1 1 2 1	1 2
Measles. Meningitis. Mental alienation.	4 19	15	1 4 4	2 3 5	2 1 1	2 4	2 2 2 7 24	2 1 16	1 6 8
Nervous system, other diseases of Neuritis and neuralcia. Paralysis. Pericarditis.	4 1 4 1	2 1	2 -1 1	3	1	2	7 1 1 1	3	4 1
Peritonitis. Pleurisy Pneumonia and empyema Purulent infection—septicaemia	1 1 10 1	6	1 4 1) 1	1		$\frac{1}{2}$	1 1 7	1 4 1
Respiratory system, other diseases of Rheumatism. Spleen, diseases of	2 4 1	2 2	2 1				1 2 4 1	2 2	
Stomach, discoses of (except cancer). Syphilis. Tuberculosis, lungs. Tuberculosis, all other except Pott's disease.	1 8 165 4	1 2 131 2	6 34 2	79 4	69 4	10	1 8 244 8	1 2 200 6	6 41 2
Typhoid fever Miscellaneous diseases	8	i	7	1	1	1	9	1	8
Total	445	227	218	120	90	30	565	317	213

Diagram 48 illustrates comparatively the principal causes of disability. The largest single cause is that of tuberculosis, comprising more than two-fifths of the entire list of disabilities awarded insurance.

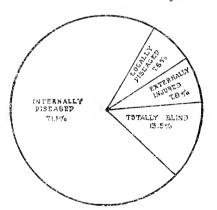
565 Permanent Total Disability Cases.



PIAGRAM 48.—The causes of permanent total disability for which contract and automatic insurance awards have been made.

Diagram 49 compares the disease groups with the injury groups.

565 Permanent and Total Diseased or Injured Disabilities.



Dixoray 49.—The total number of permanent and total disability cases which have been awarded contract and automatic incurance, showing groups of those diseased and those input d.

The small proportion of the injuries is the noticeable feature in this diagram, and its composition is further analyzed in diagram 50. The physical condition of the 565 insured at the time the insurance award was made is presented in Table 48. Here the various combinations of injuries and diseased conditions which arise are given.

565 Permanent Total Disabilities.

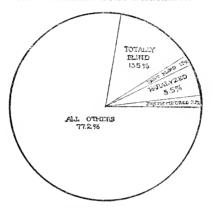


DIAGRAM 50.—The total number of permanent and total disability cases upon which contract and automatic insurance has been awarded, showing the major external injuries and local affections.

Often there is both a disease and a traumatism, which together constitute a permanent total disability. For example, a fractured leg and the dismemberment of an arm may operate to totally incapacitate the insured, whereas either one or the other alone would not permanently and totally disable him.

CONTRACT AND AUTOMATIC INSURANCE—DISABILITY CASES.

Table 48.—Detailed statement showing conditions of the insured at the time of making claim, indicating those who have since died and those who are still alive.

	Cont	ract.	/ Vii.oi	natic.	То		
			Sin e			Still olive.	Total
First in both eyes—with major injury or diseased cashion (3):		71		2		73	
som to a inherment of two fineers Diena inherment of both arms fine in one eye with major injury or diseased con-		1 1				1 1 1	
at. fon (7): Arta and leg paralyzed Arta infared Acta infared Plot rape food in one or both eves (9):		2 5				2 5	
233 Tage field in one or both eyes (9): Without other injury or diseased condition With helmer disease, eafin both cus (1).	4					<u>5</u> .	
anh, ad (29); H. Hor more of body	2	7		1 1	2	0	
Arm, lev, and rice Arm and lev Free with minor disability		1	1	1 1	1	1 2 1	
Syline isme robated (12): Both Jerms Both Jegs		3				1	
Forhited One arm with minor disability Finger and thigh injured).		1				1	
herwise injured (31): Joints suky losed. Hone selfs, Jsed (Jocal). Shoulder injured with minor disability	2	-2			2		
Should extroumed be with misse disability	1				1	i	
Abdomen (Hip joint with minor disability Chest Back Neck	5		1	1		1 1	
Chinds, Otsessed (10cd). Ruptured. Think and several fin ars	1					 1	
Arm and leg. Arm and fingers. Leg with minor disability Injured by tall out of automobile.		1				1 1	
Legs and Spinal cord. Spine injured. Spine fractured.		1				1 1 2	
and and internally diseased (3): La I distrembered, with kidney disease Ankylors of joints, with tuberculosis of lunes Tuberculosis, heart disease, Bright's disease,		1 i				1	
Ankyrosts Orjoins, With theoremosts of miss Tuberculosis, heart disease, Tright's disease, with injured leg, tern 11g diseased (397); Kidneys	26	6	1		30	6 9	
Heart and kidneys Heart Nervoussystem Spicen	25 1 1	S 1 2		2	27 1	10 · · · · · · · · · · · · · · · · · · ·	
Intestines No location Camps	$\frac{1}{7}$	21 31 4	72	6 10	$\begin{bmatrix} 1 \\ 13 \\ 203 \\ 7 \end{bmatrix}$	30 4± 4	
Brain. Eumrs and heart. Groin Gancer Eretgin (eincer).	<u>2</u> 1	1	1		1	1	
Abdomen (cancer)	1 .	2	ì		5	2 .	

Table 48 not only reveals the physical condition of the insured and the anatomical location affected by the disease or injury, but also makes a separation of the disabled men into those who have died as the result of their disability and those who are still alive on June 30, 1919. The principal causes of disability were grouped in Table 47 and correlated with the groupings of Table 48 for the detailed study given in Table 49. This analysis is as complete as the sources permit.

CONTRACT AND AUTOMATIC INSURANCE—DISABILITY CASES,

Table 49.—Detailed statement of disabilities.

Action, wounded in (70):	Number.
Eyes, blind in both Eyes, blind in both—arm and shoulder injured	33
Eyes, blind in both—arm and shoulder injured.	i i
Eyes, blind in both—legs and thigh injured	4
Eyes, blind in both—hand injured. Eyes, blind in both—two fingers dismembered.	3
Eves, blind in both -two dispers dishernogred.	1
Eyes, blind in both—abdomen injured.	3 3 5 1
Eye, blind in one—arm injured	1 3
Eye or eyes, impaired sight Legs, both dismembered	5
Legs, both paralyzed	
Leg and arm injured.	ĩ
Arm and fingers inimed	i
Arm and fingers injured. Thigh and several fingers injured.	1
Chest injured.	Î
Heart injured	
Other traumatisms (34):	^
Eyes, blind in both	-9
Eyes, blind in both—both arms dismembered.	1
Eyes, blind in both—hand and foot injured.	1
Legs, both paralyzed	2
Legs, both dismembered	. 3
Legs, both dismembered. Legs, both injured—spinal cord injured.	. 1
Leg and arm injured.	1
Leg and arm paralyzed	2
Leg injured with minor disability	1
Arms, both dismembered	. 1
Feet, both dismembered. Thigh injured—several fingers dismembered.	1
Thigh injured—several fingers dismembered	1
Spine paralyzed	1
Spine injured	ì
Spine fractured	
Paralyzed, half or more	4
Injured by fall out of automobile	. 1
Tuberculosis (241):	
Lungs	244
Cancer and other tumors (10):	1 .
Groin	
Rectum	
Abdomen	
Face	
Influenza and pneumonia (13):	
Lungs	3
Lungs and heart. No location specified	
Bright's disease (15):	'
Kidney.	17
Diabetes (14);	1
No location specified	. 11
Heart, diseases of (30):	1
Heart, diseases of (30).	30
Mental alienation (24):	1
Brain	.1 24
Wiggellangous disagge (111):	
Eyes, blind in both—injured spine Eyes, blind in both	. 1
Eyes blind in both	16
Exes sight impaired in both—kidney frouble	. 4
Eves sight impaired in one or both	1
Eyes, fight in both—kidney trouble Eyes, sight impaired in both—kidney trouble Eyes, sight impaired in one or both. Eye, blind in one—arm and leg paralyzed Legs, both paralyzed Tumor, necessitating leg amputation—kidney disease.	1
Legs, both paralyzed	.[4
Tumor, necessitating leg amoutation—kidney disease	1
Leg. one, arm and face paralyzed	1
Disease necessitating arm amputation	. 1
Leg, one, arm and face paralyzed Disease necessitating arm amputation Arm and back paralyzed (half or more).	. 1
73 1(11.4).	. 1
Ears, dear in both	
Ears, deaf in both Shoulder with minor disability Shoulder and knee—rheumatism	.

Table 49.—Detailed statement of disabilities—Continued.

reellaneous diseases (111)—Continued.	Number
Joints, ankylosis, with inherculosis of lungs	
Joints, ankylosis. Bones, diseased.	
Bones, diseased	
Hip joint with minor disability	
Spine, paralyzed	
Kidneys.	
Kidneys and heart	
Heart	
Face, paralyzed with minor disability	
Brain, paralyzed	
Spleen	
Abdomen	
Intestine	
Glands	
Chest	
Back	
Neck	
Paralyzed	
Ruptured	
Nervous system	
No detail recorded	
Total	ā

Additional interest is found in the organization study presented in Table 50 for the purpose of showing those disabilities in which death resulted after discharge from the service.

CONTRACT AND AUTOMATIC INSURANCE-DISABILITY CASES.

Table 50.—Insured who are still alive, or who have died since the date of original award, showing their organization at time of disability.

	C	ontract.		At	atomatic	2.	Total.		
Organization.	Original cases.	Since died.	Still alive,	Original cases.	Since died.	Still alive.	Original cases.	Since died.	Still alive
djutant General	1	1					1	1	
rmy Nurse Corps	. 2	_	2				2		
rtillery (Field)		19	6	11	9	2	36	28	
rtillery (Coast)		7	- 4	6	3	3	17	10	
viation	.5	2	3	1	1		6	3	
Salloon Corps	1		1				1		1
avalry	7	5	2	1		I	8	5	
hemicalService	1	1					1	1	
oast Guard				1			I	1	
epot Brigade	39	26	13	2			41	28	i
Ingineer Corps	29	11	15	3	3		32	1.4	
afantry	155	55	100	58	49	9	213	104	1
achine-Gun Battalion	23	18	5	7	()	1	30	24	
larine Corps	8	1	7	1		1	9	1	!
ledical Corps	26	18	۶.	t.	3	3	32	21	
lotor Transport Corps	5	-1	1				5	4	
avv	57	30	27	12	7	5	69	37	
rdus nee	5	4	1	1	1		6	5	
unrtermaster Corps	17	12	5	3	1	2	20	13	!
ignəl Corps	11	3	8	4	-1		15	7	
ank Service	1	I					1	1	
all others	16	9	7	3		3	19	9	
Total	445	227	215	120	90	30	565	317	2

A summary of the 565 permanent total disability cases segregating those who have died and those who are still alive is shown in Table 51. This table also gives the monthly payments and the amount of insurance involved in each classification.

DEATH AND AUTOMATIC INSURANCE—DISABILITY CASES.

Table 51.—Monthly payments and amount of insurance awarded in cases of permanent and total disability.

		Contract.			Automatic.			Total			
	Num- ber.	Monthly pay- ment.	Amount of insurance,	Num- ber.	Monthly pay- ment.	Amount of insurance,	Num- ber.	Monthly lay- ment.	Amount of insuran e.		
Original cases Since died Still alive	227	10,881.26	\$3, 765, 040, 00 1, 892, 390, 00 1, 872, 650, 00	120 90 30	\$3,000.00 2,250.00 750.00	8540, 000.00 405, 000.00 135, 000.00	565 317 248	\$24, 648, 98 13, 134, 26 11, 517, 72	\$4,305,040.00 2,297,399.00 2,007,650.00		

Diagram 51 illustrates graphically that 56 per cent of the insured permanently and totally disabled have died.

565 Permanent Total Disability Cases.



DIAGRAM 51.—The permanently and totally disabled to whom contract and automatic insurance awards have been made separated into those who have since died and those who are still alive.

Tuberculosis has been found to be the most disturbing factor in the permanent total class as well as the most fatal. In diagram 52 the relative size of the tuberculosis group to the whole is shown. In addition to this ratio, the percentage of the number suffering with tuberculosis who have remained alive is given. It is seen that the greater number have succumbed to the disease.

It has previously been mentioned that the maximum incidence of the disabilities for which insurance was awarded occurred during the winter and early spring months of 1918. This fact together with the knowledge that 44.6 per cent of all the disabilities were tuberculous, indicates that inactive tuberculosis or tuberculous tendencies developed among the unseasoned soldiers due to exposure during the first winter of encampment. The weather was severe and in the rush of mobilization, protection and comforts were not always provided.

Tuberculosis Disabilities.



Diagram 52.—Permanent total disability caused by tuberculosis. The tuberculous claimants who have received contract and automobic insurance awards are separated into the who have died and those who are still give.

XII. DEATHS OCCURRING IN AND OUT OF THE SERVICE.

During the time elapsing from demobilization to the closing date of this report, 832 deaths have occurred out of the service and have received insurance awards. Other persons discharged from the service have died of whom many were insured, but the insurance not having been awarded it was manifestly impossible to include

them in this experience.

Deaths out of the service come under two headings, those who were receiving an insurance award for permanent and total disability at the time of death and those who were not permanently and totally disabled and consequently for whom no insurance award had been made prior to death. Table 52 summarizes the entire situation showing deaths in the service, deaths out of the service and disabled men still alive. Diagram 53 graphically presents some facts giving the percentages of deaths in the service, of deaths out of the service and of disabilities still alive in comparison to the total insurance claims awarded.

CONTRACT AND AUTOMATIC INSURANCE-DEATH AND DISABILITY CASES.

Table 52.—Peaths in and out of the service.

		Pie	d out of serv				
	Died in the service,	Original award for permanent disability at discharge, changing later to death.	Original award for death.	Total died out of service.	Total died in and out of the service.	Still alive, receiving award for permanent total disa- bility.	Total claims for insurance awarded.
Contract	99, 110 4, 860	227 95)	515	742 90	99, 852 4, 950	218 30	100,079 4,980
Total	103,970	317	515	\$32	104, 502	248	105,050

Deaths In and Out of the Service.

Total claims awarded	100.0	
Death in service	99, 0	
Death out of service	.8	PRINCES
Still alive	. 2	

Diagram 53, -- A separation of contract and automatic insurance claims awarded for death and disability to show the number of insured dying in the service, dying out of the service, and still alive.

Many of the insured who were permanently and totally disabled had no relatives within the permitted class of beneficiaries to whom insurance might be payable in the event of their death. Their purpose in insuring themselves was protection against permanent total disability. Diagrams 54 and 55 show the disabilities who have died and that proportion of those whose beneficiaries are now receiving the insurance award.

832 Deaths Out of Service.

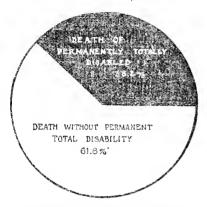


Diagram 54.—Deaths out of the service for which contract and automatic insurance has been awarded, showing the insured who received the awards for permanent total disability prior to death and those who had no permanent total disability prior to death.



DIAGRAM 55.—Insured dying out of the service who received contract and automatic insurance awards for permanent total disability prior to death, separated into those whose beneficiaries are now receiving the awards and those who had no beneficiaries.

XIII. CHANGES IN INSURANCE AWARDS.

An insurance award made to a disabled person continues until his death, at which time, if he had not received 240 monthly payments, the remainder of the payments are made to the designated beneficiary or beneficiaries. The few awards which of necessity are terminated receive treatment in the next section. In the event of the death of a beneficiary where more than one is receiving contract insurance benefits, the award is made to the remaining beneficiary or is redivided among remaining beneficiaries. When a single beneficiary who is receiving the insurance benefits dies the State succession laws determine those to whom the remaining benefits go. In case there is no relative in the permitted class the benefits are terminated. In automatic insurance there is but one beneficiary and any change designates a new one within the permitted class. These beneficiary changes are the only ones that occur, since the total

amount in any one case remains the same. Changes in automatic insurance are made upon the death of the beneficiary and upon the remarriage of a widow. A widow is entitled to receive automatic benefits only so long as she remains unmarried; at her remarriage the payments stop and are reopened in favor of a child, or mother or father, provided there be one. One further factor that brought about some changes in the beneficiaries for automatic insurance was change in the law. It had been possible for a time for more than one person to receive benefits, for example a wife and mother, and the monthly installment of \$25 was divided according to regulations between these beneficiaries. Later the law made this division of the insurance impossible and provided that it go to a single beneficiary. Table 53 and Diagram 56 make an analysis of the reasons which have necessitated a redivision of awards or the designation of a new beneficiary.

CONTRACT AND AUTOMATIC INSURANCE—DEATH AND DISABILITY CASES.

Table 53.—Reasons for designation of a new beneficiary or for reducision of award.

Reasons.	Contract.			Automatic.			Total.		
	Death.	Dis- ability.	Total.	Death.	Dis- ability.	Total.	Death.	Dis- ability.	Total.
Beneficiary died. Wife remarried. Change of law.			720	39 28 32	73	112 25 32	541 28 32	291	832 28 32
Total	502	218	720	99	73	172	601	291	892

Reasons for Changing Beneficiary.

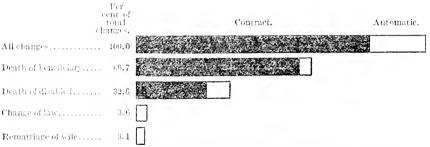


DIAGRAM 56.—Analysis of the reasons for changing beneficiary under awarded claims for death and disability showing separation into contract and automatic insurance.

Tables 54 and 55 give the duration of the award before a change was necessitated for contract and automatic insurance respectively. Redivided awards or awards made to new beneficiaries ran on an average of five months before the change.

CONTRACT INSURANCE—DEATH AND DISABILITY CASES.

Table 54.—Duration of awards (in months) before a change was necessitated.

	Less than 1 month.	1 month.	2 months.	3 months.	4 months.	5 months.	months.	nouths.	s menths.
Death. Disability	55 6	66 26	69 28	69 24	60 31	48 11	50 21	24 24	12 16
Total	61	92	97	93	91	59	71	48	28
	9 months.	10 months.	11 months.	12 months.	13 months.	14 months.	15 months.	to mouths.	Total number.
Death	19 10	12 4	8 7	4 5	4 2	1 3	1		50 2 218
Total	29	16	15	9	6	-i	3		720

AUTOMATIC INSURANCE—DEATH AND DISABILITY CASES.

Table 55.—Duration of awards (in months) before a change was necessitated.

			`					
	Less than 1 month.	1 month.	2 months.	3 months.	i months.	5 months.	6 months.	7 months
Death		5 2	1 7	6	4 7	7	7 5	5 3
Total	2	7	8	6	1 t	18	12	8
	months.	9 months.		II months.	months.	13 months.	14 months.	15 months.
Death		113		10 7	7 6	11 7	3 2	1
Total	10	17	9	17	13	18	. 5	1
	t6 month	s. 17 mon	ths. tsmo	onths. 19 n	nonths. 20	months. 2	months.	lotal num- ber.
Death		1	2	1			1	99 73
Total		4	2	1	2		1	172

XIV. TERMINATIONS OF INSURANCE AWARDS.

The death of a single beneficiary, or, in automatic insurance the remarriage of a widow, may result in the complete termination of an award. Unless there be some other person in the permitted class to receive insurance benefits the awards discontinued are not reopened. These cases, however, are not considered as permanently terminated, since at any time a relative of the insured may be located to whom benefits might accrue. It is the policy of the bureau to make every exertion to find any such persons and dispatch to them all payments due from the date of the termination. Table 56 gives the numbers and amounts of awards terminated that have not as yet been reopened.

CONTRACT AND ALTOMATIC INSURANCE. DEATH A D. DEABILITY CASES.

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CONTRACT INSURANCE-DEATH AND DISABILITY CASES.

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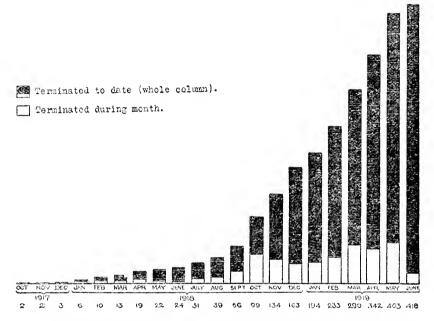
CONTRACT AND AUTOMATIC INSURANCE FOLITH A DEPARTMENT CASE

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It will be seen that 418 terminations out of 105,050 awards constitute a very small percentage. However, it is essential to know when and why it is necessary to stop the payments and to know how long the payments were made. The cumulative terminations are shown as final payments in diagram 57.

Terminations.



Phagram 57.—Cumulative number of final payments, contract and automatic insurance claims distributed by the month of termination.

The durations of the awards or the lapse of time from first payment to final payment for each contract and automatic insurance case is given in Tables 60 and 61, respectively. The average length of time these closed awards had been running to the last mentioned beneficiaries of the deceased insured was seven months, and six and one-half months in cases of awards paid to the insured himself. The automatic insurance payments seem to have run on the whole slightly longer than payments on contract insurance.

CONTRACT INSURANCE—DEATH AND DISABILITY CASES.

Table 60.—Awarded claims on which payments have been closed because of death of beneficiary, showing length of time award (in months) was paid.

	Less than 1 month.	l month,	months.	3 months.	months.	5 months.	6 months.
Death Disability	13 1	10 6	16 3	23 1	32 6	49 4	34 5
Total	14	16	19	24	38	53	39
	7 months.	months.	9 months.	10 months.	11 months.	12 months.	13 months.
Death	50 1	26	9	14	10 2	4	3
Total	51	26	10	14	12	å	3
	14,	15,	16,		Total.		
	months.	months.	months. months.				nount of urance.
Death Disability	2	1	1	297 32	\$15,283 1,432		\$2,658,000 249,086
Total	3	1	1	329	16,713	.75	2,907,086

AUTOMATIC INSURANCE—DEATH AND DISABILITY CASES.

Table 61.—Awarded claims on which payments have been closed, showing length of time award (in months) was paid.

					1						
	Less than 1 month.	1 month.	2 months.	3 months.	4 months	. mont		6 months.	7 months.	8 months.	
Death		1 1	3		1		· i	3	4 1	2	
Total		2	3	3	1		1	3	5	2	
	9 months.	10 months.	11 months.	12 months.	13 months	. mon		15 months.	16 mouths,	17 months.	
Death Disability		5 4	6 2	5 1	5		10	4	6	5	
Total	S	9	8	6	6		11	4	6	5	
								Total			
	months.	months	month	ns. mont	hs.	mber.		Monthly ayment.		noun t irance.	
Death Disability	2 2				2	69 20	-	\$1,725 500	5	\$310,500 90,000	
Total	4				2	89		2,22	5	400,500	

Diagram 58 effects the separation of the 418 terminated cases into the various policy amounts, \$10,000 policies ranking first, automatic

policies second, and \$5,000 policies third.

The average policy amount for the terminated death cases is \$8,949 with an average monthly payment of \$51.46, while the average for disability cases is \$7,784 making an average monthly payment of \$44.75.

Through a comparison of this diagram with diagram 16 wherein policy amounts for all claims are tabulated, it is perceived that a much larger proportion of the terminated policies are for automatic insurance, 21.3 per cent in comparison with 4.8 per cent. This is due to the fact that the class of beneficiaries for automatic insurance is more restricted than for contract insurance.

Terminated Policies.

0	er cent f total unber.	Contract.	Automatic.
Total policies closed	100.0	Commence of the second	
\$10,000 policies	61.3 国际建筑设置设计等	经实现的证明的证据	
\$5,000 policies	12.9		
\$1,000 policies	.71		
\$ 4,500 policies	. 7		
\$1,000 policies	.5		
\$3,000 policies	. ñ 🖁		
\$2,000 policies	.5		
£8,000 policies	. 2		
\$7,500 policies	. 2		
Odd policies	1.2		
Automatic insurance			

£4,500..... DIVERAM 58.—Contract and automatic insurance death and disability claims awarded upon which payments have been discontinued, showing separation by amounts of policies.

21.3

XV. CLAIMS NOT AWARDED.

In Section I distinction was made between those claims pending and those claims not awarded, and the former were then discussed. The latter class of cases has no award, not because the bureau awaits the return of papers, or information is lacking, but because for some reason awards can not be made. Table 62 presents these reasons. The 146 claims which were not valid under the law have been reduced since the closing of the compilation of this report. Most noticeable among this group are those cases in which men were stricken with influenza before an opportunity to apply for insurance had reached them, except on their deathbed, or before they were formally mustered into the service. In this group of unawarded cases are also those claims which will never become valid, those cases for instance where claim for insurance is made when there was no contract insurance or where claim for automatic insurance is made by persons not entitled to it.

CONTRACT AND AUTOMATIC INSURANCE—DEATH AND DISABILITY CASES.

Table 62.—Claims having no award distributed by the reasons why no awards have been made.

D.	(Contract		.\	utomat	ic.		Total.	
Reasons.	Death.	Disa- bility.	Total.	Death.	Disa- bility.	Total.	Death.	Disa- bility.	Total.
No relatives in the permitted class Beneficiary ahen enemy. No valid claim existing under the law.	263 6 108	14	263 6 122	527 6 38	41	527 6 79	790 12 146	55	790 12 201
Total.	377	14	391	571	41	612	948	55	1,003

XVI.—ACTIVE AWARDED CLAIMS.

The earlier sections have presented the analysis of all the cases which have come under observation during the period of study, irrespective of the status of the case at the close of the period. The last few sections have made some study of those cases which have been terminated, and those cases in which changes in beneficiaries have been necessitated. Mention also has been made of those disabilities who have died, thus changing the disability cases to death cases. The presentation of Table 63 is made in order that the condition of the death and disability insurance cases for June 30, 1919 may be summarized. The first part, dealing with death cases, shows that the 104,485 cases analyzed throughout the preceding sections have been increased to 104.750 because of the death of permanent total disabilities. These 265 cases did not need analysis in the mortality study, since they were included in the disability Cases upon which awards have been terminated decrease the number upon which awards are actively being made to 104,384 cases, involving a monthly payment of \$5,380,242.98. The second part of the table, dealing with disability cases, shows that the 565 cases which have been analyzed have been decreased by 317 deaths, leaving 248 disabilities receiving insurance awards on These 248 disability cases involve monthly payments June 30, 1919. of \$11,517.72.

The total amount of insurance upon which the Government is paying benefits is \$938,441,794. Of this amount \$916,432,294 was protection paid for by premiums, partly by means of deduction from the pay of the insured, with a resultant transfer of money from Army and Navy pay appropriation to insurance appropriation, and partly by direct receipt of monthly payment from the insured. The remainder, \$22,009,500, is automatic insurance, and the payments are

made entirely from taxation.

The insurance part of the Bureau of War Risk Insurance is virtually a large Government insurance company, with the ex-service men of the United States as policy holders and with an enormous amount of insurance in force. This insurance may be retained as term insurance five years after the termination of the war, after which time it must be converted into one of the six usual forms of policies. During this period in which term insurance is in force, and in which the insured are converting policies, insurance is constantly lapsing and being reinstated. It is, therefore, impossible to make any statement regarding the liabilities of the Government for this fluctuating body of policy holders.

CONTRACT AND AUTOMATIC INSURANCE-DEATH AND DISABILITY.

Table 63.—Awarded claims active on June 30, 1919.

		Contract.			Automatic	i	Ü	Contract and automalic.	malic.
	Number.	Monthly payment.	Amount of insurance,	Number.	Monthly payment.	Amount of insurance.	Number.	Monthly payment.	Amount of insurance.
реати.									
Claims originally awarded for death,	99,625	99, 625 \$5, 261, 552.47	\$915, 574, 340, 00	4,860	\$121, 500.00	\$21,870,000.00	104, 485	\$5, 386, 052. 47	\$937, 141, 340.00
to death. Total claims awarded for death.	195	9, 119, 04	1,643,000.00	70	1,750.00	315,000,00	265	11, 199, 01	1,958,000.00
Awarded death claims terminated	29, 523 99, 523	, 15,283.50 5,258,717.98	2,658,000.00 911,559,310.00		1,725.00	21, 874, 500. 00	366	5, 380, 212, 98	2, 968, 500. 00 2, 968, 500. 00 936, 133, 840. 00
DISABILITY.									
Claims originally awarded for disability	415	21,618,98	3, 765, 040.00	120	3,000.00	510,000.00	565	24,648.98	4, 305, 040. 00
To death anned for dischiller	195	9, 149, 01	1,643,000,00	9.5	1,750.00	315,000.00	265	11, 199.01	1,958,000.00
Awarded disability claims terminated. Awarded disability claims active on June 30, 1919.	28.2 28.2 28.2 28.2 28.2 28.2 28.2 28.2	12, 132, 25 1, 432, 25 10, 767, 72	2, 122, 040, 00 219, 086, 00 1, 872, 951, 00	888	1, 250. 00 500. 00 750. 00	225, 0001, 00 90, 000, 00 135, 000, 00	58 54 58 55 58 55	13, 449, 97 1, 932, 25 11, 517, 72	2,347,040,00 339,086,00 2,007,954,00
DEATH AND DEABILITY.									
Awarded death and disability claims terminated to June 30, 1919	329	16, 715, 75	2, 907, 086, 00	8	2,225.00	400,500.00	418	18,910.75	3, 307, 586. 00
on June 30, 1919.	99,741	5, 269, 185, 70	916, 132, 291. 00	1,891	122, 275, 00	22, 009, 500, 00	104,632	5, 391, 760. 70	938, 411, 794.00

PART II.

MILITARY AND NAVAL COMPENSATION.

Period considered, October 6, 1917, to June 30, 1919.

Total	death cases analyzed		٠.					25,251
Total	disability cases analyzed							32,876
Total	military and naval comp	ens	ation	clai	ms av	varde	ed.	58,127
Total	monthly payment for cor	npe	nsatio	n				\$1,728,467.19



MILITARY AND NAVAL COMPENSATION CLAIMS.

XVII. CLAIMS FOR COMPENSATION BENEFITS.

Deaths and disabilities which have occurred as a result of military or naval service on or after October 6, 1917, may be compensated. Claims for compensation on account of death of the person in the service range from those filed by dependent relatives within the permitted class of beneficiaries to those filed by self-supporting relatives not within the permitted class. Claims for compensation for disability are made by persons ranging from those whose disabilities consist of very slight injuries to those who are helpless and permanently bedridden. The following table indicates the number of claims for compensation received by the Bureau of War Risk Insurance, those claims awarded those not awarded, and those pending.

MILITARY AND NAVAL COMPENSATION.

Table 64.—Statement of number of compensation claims due to death and disability for the period Oct. 6, 1917, to June 50, 1919.

Claims received	243,660
Death claims awarded	,
Disability claims awarded	
Total claims awarded 58, 127	
Death claims disallowed	
Disability claims disallowed	
Not actual death claims	
Not actual disability claims	
Total claims not awarded. 66, 283	
Total claims disposed of	124,410
•	
	2.10 07.0

The principal analyses made in the following tables and diagrams are arranged on the basis of attendant circumstances and conditions surrounding those cases in which claims for compensation have been awarded. Those claims which have not been awarded compensation either are not claims, though they have been so considered, or are claims which are not valid under the law. These cases are given separate treatment in a later section. The so-called pending cases are those in which no action has been taken. In nearly all of these cases more information is necessary for the establishment of the claim, certain certificates, affidavits, etc., being awaited. A wife and children need only prove relationship, while father and mother must prove dependency in addition to relationship. The disabled person must submit to the necessary medical examinations in order that the disability be established. A further requirement is that the death or disability must have been the result of service and not the result of misconduct. Instances often occur in which dependency is doubtful, or in which the extent of disability is questionable and it appears that conditions

will arise within the proper period prescribed by law which will make the case compensable. Such cases are allowed to remain pending. In the latter instances, however, many deserving cases are given temporary awards pending final decision. It is considered better so long as there remains a possibility that an award may be made, to allow the case to remain pending than to class it with those in which decision has been reached that no award should be made. Diagram 59 compares the number of cases at present falling in classification of these three stages with the total number of claims received.

By means of diagram 60 a comparison is made between the number of claims for compensation received each month and the number of claims awarded compensation each month. The vertical separation of the curves represents those cases pending and those closed not awarded. The horizontal separation represents roughly the time necessary to collect material sufficient to justify a compensation

award.

The compensation study considers two groups of cases. The first, the death group, consists of all those cases in which the dependents of the deceased person have been awarded compensation. The second, the disability group, consists of all those cases in which the disabled person with or without dependents has been awarded com-

Military and Naval Compensation Claims.

	Number.	
Claims received	243,660	M. 6
Claims awarded	58, 127	
Claims not awarded	66,283	
Claims pending	119,250	

Diagram 59.—Status of the claims for compensation on June 36, 1919.

pensation. The first group of cases is a restricted group and is in no wise exclusively representative of deaths due to service, while the second group is representative of the disabilities incurred in or as a

result of service.

Cases in which the disability is incurred directly or indirectly as a result of service and in which the disability is at least 10 per cent of total incapacitation, are compensable. These disability cases are separated into four groups according to the degrees or extent of the disability. All disabilities are divided into those which totally incapacitate and those which partially incapacitate. Further, each group is separated into those which permanently disable and those which disable temporarily. Therefore, the disability study of cases for which compensation has been awarded, is concerned with four groups: The permanently and totally disabled persons; the temporarily and totally disabled persons; the permanently and partially disabled persons; and the temporarily and partially disabled persons. There is an additional separation of the temporarily and totally disabled persons into those who are receiving vocational training and those who are not. Classifications for temporary total disabilities do not include those receiving vocational training, unless specifically These cases came under observation in this experience during the time when the bureau had an administrative part in the vocational training award. Since then the acceptance of an applicant by the Federal Board for Vocational Training necessitates the termination of the compensation award or in some cases the making of a supplementary \$20 award. The completion of vocational training is sometimes reason for beginning a compensation award and in cases where the \$20 supplementary award was given, it might operate to increase the award.

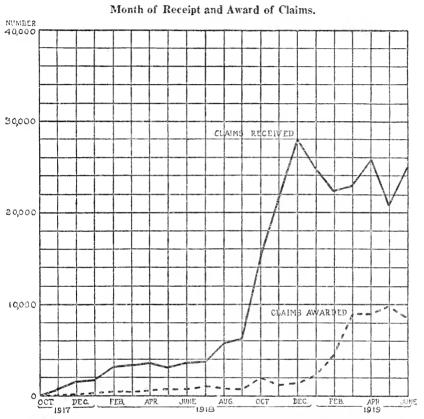


DIAGRAM 60.—Compensation claims on account of death and disability received and awarded by the Bureau of War Risk Insurance by date of receipt and date of award, respectively.

The four classes of disabilities have rather definite lines of demarkation. Both classes of total disabilities receive the same basic rate of compensation. The temporary total disability cases are reviewed each menth with a view to changing them to a permanent status. The partial disabilities must be rated according to the degree of the disability, which percentage is used as a means of determining the proportion of the total disability award which is payable. As with the totally disabled, those who are on the temporary rolls are examined each month in order that necessary changes may be made.

XVIII. AWARDED CLAIMS ACTIVE.

Changes in compensation awards are constantly being made, and particularly in the temporary group, awards are at all times subject to increase, decrease or termination. An observation on changes which have occurred is made in a later section. There have been 177 deaths occurring among the disability groups for which

Date of Initial Payment.

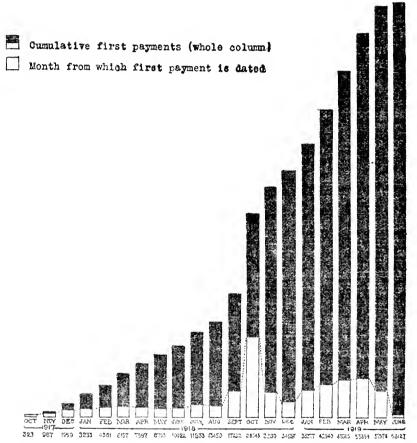


Diagram 61.—Cumulative first monthly payments made on compensation awards as last made for death and disability.

death awards have been made. By means of Table 65 it is shown that the 25,074 original death claims awarded have been increased to 25,251 and that the 33,053 original disability claims awarded have been decreased to 32,876 because of the addition and subtraction of the 177 deaths among the disabled persons. These 177 cases are treated with the death group rather than the disability group in the analyses which follow. The table also indicates 424 death cases and 5,359 disability cases upon

which awards have been terminated, showing as a final result out of a total of 58,127 cases that 52,344 cases have awards actively running at the time these compilations were brought to a close. Cases a which awards have been terminated are given separate consideration. The cases under observation, consisting of 25,251 deaths and 32,876 disabilities, in the study of awarded compensation claims aroull those active cases according to their status on June 30, 1919, and all those terminated cases according to their status at the time of ermination.

The 24,827 death cases and 27,517 disability cases upon which awards are actively running have had numerous changes which have resulted in a net increase in the total compensation awarded on account of death, and which have resulted in a net decrease in the total compensation awarded on account of disability. Table 66 presents the active cases by the month on which the award, as being paid, was made.

COMPENSATION-DEATH AND DISABILITY CASES.

Table 65.—Awarded claims active on June 30, 1919.

	Number.	Monthly payment.
DEATH.		
laims originally awarded for death. Laims originally awarded for disability, changing to death. Cotal claims awarded for death. Not change in monthly payments. Awarded death claims terminated.	25, 251	\$671, 955. 03 4, 602. 00 676, 557. 03 +1, 647. 84 10, 256, 00
Awarded death claims active June 30, 1919 DISABILITY.	24,827	667, 948, 37
laims originally awarded for disability laims originally awarded for disability, changing to death set claims awarded for disability set change in monthly payments warded disability claims terminated.	32.376	1,081,206.87 5,789.67 4,075,417.20 -25,154.88
twarded disability claims active on June 30, 1919. DEATH AND DISABILITY.	27,517	173, 342, 74 876, 919, 58
Potal awarded death and disability claims terminated to June 30, 1919 Potal awarded death and disability claims active on June 30, 1919	5,783 52,344	183, 598, 71 1, 544, 868, 45

Diagram 61 shows the active cases awarded or reawarded each north, bringing together in each month all cases previously awarded f the awards are still running as made.

COMPENSATION-DEATH AND DISABILITY CASES.

Table 66.—Distribution of cases by the date of the award now actively running.

								Disa	Disability.							
Date of award.		Death.	Per fota with	Permanent fotal with or without nurse.	rer Ter	Permanent partial.	Ten total with	Temporary total with or without nurse.	Ter	Temporary partial.	Revoc	Receiving vocational training.		Total.	Total o	Total death and disability.
	Num- ber.	Monthly payment.	Num- ber.	Monthly payment.	Num ber.	Monthly payment.	Num- ber.	Monthly payment.	Num- ber.	Monthly payment.	Num- ber.	Monthly payment.	Num- ber.	Monthly payment.	Num- ber.	Monthly payment.
October November December	23.5 103	\$1, 192, 50 5, 952, 50 10, 195, 00	77 T 77	\$230.00 210.00 220.00	x x x	\$89, 10 110, 85 70, 00	8 55 52 25 52 52	\$1, \$10, 00 2, 745, 00 4, 025, 00	* ES	\$110.89 197.57 185.25	:-:	\$30.00	73 107 146	\$2, 239, 99 3, 293, 42 4, 500, 25	137 342 519	\$3, 732, 19 9, 245, 92 14, 695, 25
January January February April April May June June June June June June June June	\$ \(\frac{1}{2} \) \(\frac{1} \) \(\frac{1}{2} \) \(\frac{1}{2	H 85, 86, 86, 86, 86, 86, 86, 86, 86, 86, 86	91-X <u>=#28</u> 81-958=	1,030,00 1,0	2523555555	25 25 25 25 25 25 25 25 25 25 25 25 25 2	X 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	7, 150.00 9, 995.00 12, 667.00 11, 747.00 19, 270.63 19, 270.63 11, 777.25 12, 777.29 13, 384.00 32, 614.00	22838282828	355, 06 827, 08 827, 08 827, 09 854, 01 933, 29 831, 29 851, 38 1, 051, 83 1, 051, 83	(φ 5. + 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	30.00 36.20 55.20 55.00 30.8.10 30.8.10 205.00 1.275.00	27.25.25.25.25.25.25.25.25.25.25.25.25.25.	\$\frac{1}{2} \frac{1}{2} \frac	2,8,8,9,9,9,9,9,9,9,9,9,9,9,9,9,9,9,9,9,	19,558, q 20,118, 12, 81, 82, 18, 82, 84, 11, 11, 12, 13, 13, 14, 14, 14, 14, 14, 14, 14, 14, 14, 14
1919. Ilanuary March. April Any Juno.				696.00 1, 424.50 1, 862.50 983.00 6, 000, 00	187 228 828 228 228 252	1,659.20 1,917.80 2,350.03 1,856.00 1,231.99	1,763 2,567 3,795 4,651 3,500	59, 163, 50 85, 874, 00 126, 876, 50 153, 025, 62 116, 028, 63 18, 672, 00	15 8 8 8 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	2, 415, 36 3, 117, 55 6, 200, 64 6, 267, 11 5, 464, 86 771, 03	257 271 387 291 291	8,991.40 12,503.19 14,007.16 17,294.77 13,834.79 3,868.00	2,317 3,326 4,810 5,812 1,343 733	72, 955, 46 104, 837, 04 151, 297, 13 181, 837, 83 112, 563, 27 24, 082, 98	3,099 3,975 5,139 5,919 4,376	95, 265. 46 123, 005. 79 160, 725. 88 185, 827. 53 184, 414, 27 24, 645. 48
Total	21,827	667, 948, 87	24	19, 711. 50 1, 110	1,110	12,313.63	21,994	731, 901.63	2, 568	37,211.31 1,568	1,568	72,715.51	27,517	876, 919. 58	52,314	52, 314 1, 544, 868. 45

XIX. AGE INCIDENCE.

Table 67 presents the age composition of the death and disability groups, coming under the compensation observation.

COMPENSATION-DEATH AND DISABILITY CASES.

Table 67.—Ages of the deceased and the disabled at date of death and disability, respectively.

Age.	Death.	Disa- bility.	Total.	Age.	Death.	Disa- bility.	Total.
5	9	2 6	2 15	42 43	58 45	S0 66	138
7	42	39	81	44	37	53	90
8 9	151 409	$\frac{142}{713}$	293 1,122	45	42 39	50	92 79
0	624	1,241	1,865	47	25	27	52
12	2,207	1,719	2,679	48	18	24	42
3	2,854	$\begin{bmatrix} 2,381 \\ 3,986 \end{bmatrix}$	$\frac{4,588}{6,840}$	49 50	19 16	21 12	40 28
4	2,798	3,855	6,653	51	14	12	26
5	2,429 2,304	$\begin{bmatrix} 3,299 \\ 2,838 \end{bmatrix}$	5,728 $5,142$	52	14 10	15 15	29 25
7	2,002	2,437	4,439	54	5	. 7	12
8 9	$1,759 \mid 1,644 \mid$	1,998 1,753	3,757 3,397	55	5	11	20 9
0	1,372	1,607	2,979	57	4	4	. 8
1	1,137 839	1,446 962	2,583 1,801	58	8 8	3 4	11 12
3	270	529	799	60	5	1	6
5	198 181	330 229	528 410	61	3	2 3	7
6	154	200	354	63	2		2
7s	$\frac{126}{112}$	192 137	318 249	64	1	3	-1
9	118	149	267		0. 0.1		
0	100	121	221 168	Total	25, 251	32,876	58, 127

Age.

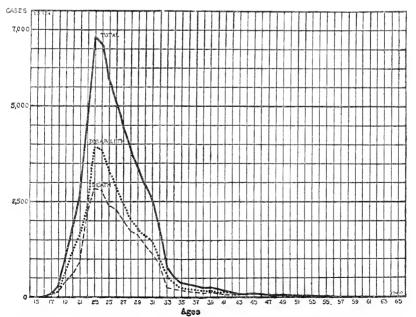


DIAGRAM 62.—Age of the deceased at the time of death, age of the disabled at the time of disability, and the combined ages in the total number of cases in which compensation claims have been awarded.

The age is taken as that at death, or in disability cases that at disability. Compensation is not payable until after discharge, and though the disabled condition existed prior to discharge the date of the latter has, in the majority of instances, been chosen as the most authentic disability date. Diagram 62 shows the age distribution in the death group, in the disability group and in the total compensation exposure. The three curves show the same asymmetrical distribution.

The average age of the 32,876 disabled who have received compensation was 26 years and 2 months. The corresponding median age was 25 years and 3 months. The frequency distribution shows the age

23 to have been the point of maximum disability incidence.

XX. RELATIONSHIP OF BENEFICIARIES.

The results of tabulation of the facts relative to the beneficiaries who are in receipt of compensation on account of death of the person in the service, are presented in Table 68. This table shows that 8.004 mothers as single beneficiaries are receiving compensation awards to the amount of \$163,092.75 each month and that, though there are only 7.177 wives as single beneficiaries receiving compensation, the monthly amount is greater, being \$179,618.46, due to the fact that a dependent mother receives less compensation than a wife. These amounts of monthly payment are not static, but fluctuate each month.

COMPENSATION-DEATH CASES.

Table 68.—Relationship of the beneficiary to the deceased.

	Num- ber.			Num- ber.	Monthly payment.
Wife Child More than one child Mother Father Grandmother Grandsther Sister Brother Wife, child Wife and more than one child. Wother, child	132 139 8,001 1,477 2 21 6 3,300 1,256 358	8, 556, 25	Mother and more than one child. Mother, father. Mother, sister. Wife, child, mother. Wife, mother, and more than one child. Wife, others. Child, others. Mother, others. Father, others. Total.	1 109 43 198 31 7	\$440,00 79,230,00 30,00 6,005,00 2,762,50 1,127,50 275,00 312,50 678,204,87

From this table is also obtained the number of mothers in receipt of compensation awards alone or in conjunction with other relatives. Combinations of groups show that there are in receipt of compensation benefits 11,197 mothers, 12,441 wives, 4,113 fathers and at least 6,805 children. The last group is obtained by doubling the number in all groups containing more than one child and adding it to the group containing a single child. Hence, where there are more than two children in the group, the additional ones have not been included. However, there are comparatively few cases in which there are three or more children.

Comparison of the groups of beneficiaries is made in diagram 63. It shows that the mother is the single dependent in 31.7 per cent and that the wife is the single dependent in 28.4 per cent of the total

number of cases in spite of the fact that the mother must prove dependency and that the wife is so considered without proof. However, when the total number of mothers and wives is considered, the order would again be reversed.

Beneficiaries in Death Cases.

	rcent	
fother	31. 7	
Vife	28.4	
Vife, child.	13.1	
lother, father	10.4	
father	5.8	
Vife and more than one child	5.0	
Taild	1.7	
Vife, nother.	1.4	
Vife, others	.8	55
lere than one child	. 6	C. C
Vite, child, mother	. 4	
Vife, mother, and more than one child	. 2	
fother, child	. 2	
Thild, others	. 1	
All others	. 2	
Dr		4

Oligram 63.—Number of awarded compensation claims showing relationships of the beneficiaries to the deceased.

COMPENSATION-DISABILITY CASES.

Table 69.—Relationship of the beneficiary to the disabled.

	Num- ber.	Monthly payment.		Num- ber.	Monthly payment.
self, wife, self, wife, self, child, self, child, self and more than one child, self, mother, self, father, self, sister, self, wife, child, self, wife, and more than one child.	2,767 86 45 1,126 90 1 1,217	\$762, 293, 54 117, 355, 60 3, 337, 24 2, 396, 00 43, 093, 96 3, 326, 83 30, 00 61, 042, 93 35, 429, 88	Self, child, and mother. Self, mother, and more than one child. Self, father, mother. Self, others. Total.	272 101	5,673.31

Those disability cases to whom compensation awards have been made alone or in combination with relatives are presented in Table 69, and demonstrates that in conjunction with the disabled person, 4,526 wives, 1,406 mothers, 362 fathers and at least 2,487 children have been given compensation. As before there are more children than represented in the tabulation.

By means of diagram 64 the relative size of these groups is shown. That in 81 per cent of the total number of disability cases where

Beneficiaries in Disability Cases,

Dom cont

of	total.
Self	81.0
Self, wife,	8,4
Self, wife, child	3.7
Self, mother	3.4
Self, wife, and more than one child	1.6
Self, father, mother	. 5 0
Self, others.	.3 []
Self, father	.3
Self, child	
Self and others	. 2

Diagram 64.—Number of compensation claims awarded to the disabled showing relationship of the joint beneficiaries.

compensation has been awarded the award has been to the disabled person alone, is indicative that the disabled was unmarried and that the parents were not dependent.

XXI. DATE OF DEATH OR DISABILITY.

In the month of the passage of the war risk insurance act there occurred 79 deaths and 244 disabilities for which compensation awards have been given under the provisions made. Table 70 presents all later deaths and disabilities by the months in which they arose. The total deaths are given as 25,074 and the total disabilities as 33,053, showing that the date of the disabilities of the 177 disabled persons who have died has been given and not the death date, whereas it has been customary in the other analyses to consider them in the death group.

Diagram 65 presents graphically the groups of mortalities in each month. A comparison of this death exposure with that of the insurance study, as presented in diagram 20, Part I, will show that the fact of having dependents did not affect the time distribution.

Diagram 66 groups the disabilities by the date of the appearance of the disability. The median month of disability was February, 1919. The maximal group in the distribution is for the month of April, 1919. This distribution is due to the fact that disabilities are not compensable until after discharge, and therefore the majority of claims were made after November, 1918. The usual correspondence of the discharge and the disability dates, on account of the uncertainty of the latter, has been indicated, which further shows the reason why disabilities have apparently occurred much later than deaths.

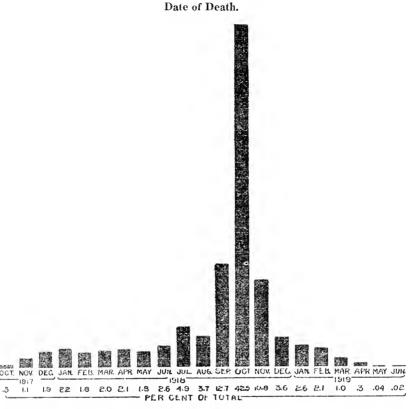


Diagram 65.—The per cent of the total number of deaths occurring in each month for which compensation claims have been awarded.

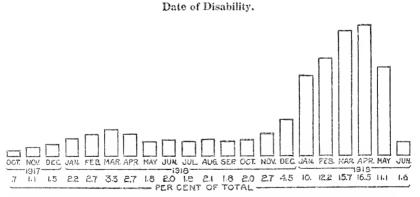


Diagram 66.—The per cent of the total number of disabilities occurring in each month for which compensation claims have been awarded.

COMPENSATION-DEATH AND DISABILITY CASES.

Table 70. -Distribution of cases by the date of death or of disability.

						,		Disal	Disability.							
Date.	-	Death.	Perm with	Permanent total with or without nurse.	Per P	Permanent partial.	Temp with	Temporary total with or without nurse.	Ten	Temporary partial.	. Region	Receiving vocational training.	· -	Total.	Total dis	Total death and disability.
	Num- ber,	Monthly payment.	Num- ber.	Monthly payment.	Num- ber.	Monthly payment.	Num- ber.	Monthly payment.	Num- ber.	Monthly payment.	Num- ber.	Monthly payment.	Num- ber.	Monthly payment.	Num- ber.	Monthly payment.
October November December	252	\$2,032.50 7,622.50 13,165.00	112	\$610, 00 590, 60 1, 125, 00	× 22 8	\$113.10 147,45 94.00	191 283 423	\$6, 230. 00 9, 435. 00 11, 044. 00	25.53 25.53	\$193. 18 891. 19 830. 81	- : :	\$30, 00	244 366 507	\$7,476.28 11,063.94 16,093.81	323 614 992	89,508.77 18,686.41 29,258.4
Johnson, Polymenty, March	252			1,315.00		506, 45 231, 60 261, 51	77.0 17.0 19.0 19.0 19.0 19.0 19.0 19.0 19.0 19	19, 611, 20 25, 795, 17 31, 365, 00	25.5	1,339,97	1	40,00	12.85	23, 210, 62 28, 816, 87 35, 36, 07	1,27 1,28 1,88	38, 040. E
April May June		12.25		98.57.		180. 50 168. 50 15. 60 17. 60	781 572 583	26,310,00 19,145,00	648	22.55 22.55 22.55			2 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	29, 612, 60 21, 128, 91		21,12,23 21,17,12,23
July Angust Scotember	î :-:	[8] 27 7 [8] 8] 8 [8] 8] 8	물건길	1, 25 1, 1, 1, 1, 2, 2, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3,	2 4 4	129.81 129.81	13 5 13 13 5 13 13 5 13 13 13 13 13 13 13 13 13 13 13 13 13	21,260.00	12 F 13	292 213, 06 113, 04		65.65	¥ 9 9	18, 18, 18, 18, 18, 18, 18, 18, 18, 18,		52, 107.23 45, 013.33 105, 119.23
October Nevember December		284, 237, 40 71, 913, 00 24, 158, 75		520, 00 720, 00	2 = 8	70, 50 225, 05 287, 93	28 8 9 88 9 88 9	20,970.00 29,009.00 48,151.00	1881	153. 89 139. 52 869. 59	2222	96, 68 157, 90 623, 90	1. 18. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8	22,384,39 30, H0,57 50,651,52		306, 621, 79 102, 353, 57 75, 110, 27
John ury Jamurry Mebroury Agrich April. April. May	\$\$\$75°	15, 155, 00 11, 276, 25 6, 238, 73 2, 232, 50 267, 50	32228	704.00 1, 130.50 1, 668.50 776.75 6, 600.60	272341	1, 433, 95 1, 359, 15 1, 285, 60 1, 285, 60 234, 59	8,8,-7,8,8, 3,8,5,1,8,8, 3,8,5,1,8,8,8,8,8,8,8,8,8,8,8,8,8,8,8,8,8	25, 876, 70 121, 252, 00 139, 730, 56 179, 730, 56 179, 56 179, 56 179, 56	25 <u>5</u> 58	1, 221, 60 1, 616, 56 1, 861, 81 1, 361, 61 1, 361, 61 15, 39	티크로막리라	3, 190, 50 3, 190, 50 3, 177, 50 3, 968, 57	5. 4. 6. 6. 8. 5. 6. 8. 7. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9.	101,623,65 125,538,71 165,239,21 177,171,48	8,4,7,7,8,8, 8,8,8,8,8,8,8,8,8,8,8,8,8,8,8,	119, 738, 65 142, 831, 96 174, 172, 96 179, 703, 98 125, 99, 13
Total 25, 071	25,071	671, 955. 03		27, 500, 25	. 1	7, 558. 11	30, 132	30, 132 1, 007, 913, 27		20,060.07	5 25	18, 676, 17	39,18	33,053 1,081,206.87	55, 127	1, 753, 161. 90

While it is not possible to determine exactly, it is probable that the disabled who were discharged before the period of heavy fighting, had incurred their disabilities at a time comparatively near the date of discharge. During the period of heavy fighting there were many wounded in action who did not die, and though they were often wounded seriously many never became compensable cases because of recovery. Even those who became compensable were held until the maximum hospital and surgical treatment available had been given.

It is of interest to bring the dates of death and disability together

on a percentage basis, as has been done in diagram 67.

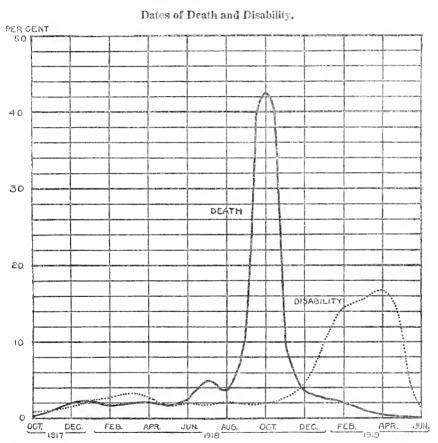


DIAGRAM 67.—Per cent of deaths and per cent of disabilities by date of death or disability in awarded claims of compensation.

XXII. ORGANIZATIONS OF THE MILITARY AND NAVAL ESTABLISHMENTS.

Attention is next directed toward the compilation demonstrating the number of the deceased and the disabled included in the various organizations. The organization indicated is that with which the person in the service was last associated before death, disability or discharge. The facts are set forth in detail in Table 71. The infantry and the depot brigade stand first and second, respec-

tively, in both the mortality and the disability studies. In graphic illustration of this table is presented diagram 68, which gives the comparative losses incurred by the various organizations. The Army Nurse Corps suffered 45 compensable disabilities, while the Navy Nurse Corps had 3 cases. Of the 45 members of the Army Nurse Corps, 40 were temporarily and totally disabled, and the 3 case among the Navy women were classified in the same way.

COMPENSATION-DEATH AND DISABILITY CASES.

Table 71. Organization at the time of death or of disability.

				Disal	ility.			ļ
Organization.	Death.	Per- manent total with er without nurse.	l'er- manent partial.	Tem- porary total with or without nurse.	Tem- porary partial,	Receiv- ing vo- eational training.	Total.	Total death and dis- ability.
Infantry Depot Brigade Field Artiflery Engineer Corps Machine Gun Battalion Medical Corps Signal Corps Quartermaster Corps Training Corps Coast Artiflery Aviation Labor Battalion Motor Transport Corps Ordnance Cavalry Tank Service Chemical Service Trench Mortar Corps Adjutant General General Staff	10, 68\$ 2, 334 1, 483 1, 287 1, 104 1, 221 425 455 341 528 356 100 73 444 40 1	158 37 30 30 26 22 12 12 10 6 1 3 5 5	633 86 63 49 555 35 9 21 5 12 13 14 7 7	1,306 1,319 422 625	1, 316 227 175 161 161 163 177 51 52 18 54 43 5 26 26 26 27 6 10	621 105 106 80 76 91 26 47 3 3 3 29 32 1 13 114 19 4 2 6 6	14,740 2,801 1,967 1,673 1,626 1,647 213 548 556 154 337 259 59 69 70 38 8,5	25, 408 5, 1355 3, 400 2, 950 2, 730 2, 730 1, 368 1, 003 897 682 782 782 783 159 112 114 783 114 114 114
Judge Advocate General		7 59 3	24 69	551 1,703 16 40 3 1,147	42 203 2	27 2×2 1	$\begin{array}{c} 651 \\ 2,316 \\ 17 \\ 45 \\ 3 \\ 1,390 \end{array}$	1, 144 4, 1×2 66 73 7 2, 447
Total	25, 251	439	1, 149	26,664	2,968	1,656	32, 576	58, 127

Of the men permanently and totally disabled, 36 per cent were infantrymen and 13 per cent belonged to the Navy, while over half of all the permanent partial disabilities are classified with the Infantry. Again, among those temporarily disabled to whom compensation awards have been made, 45 per cent of those totally disabled belonged to the infantry, 6 per cent to the Navy, and 9 per cent to the depot brigade. Also 14 per cent of those partially disabled were infantrymen. Nearly 45 per cent of all disabilities compensated were for traumatisms or diseases among infantrymen.

Table 72 gives the compensated death and disability cases which have arisen in the four arms of the service—the Army, the Navy, the Marine Corps and the Coast Guard. Eighty-seven per cent of the permanent total disabilities were among those serving in the Army. Nearly 92 per cent of the permanent partial disabilities, nearly 91 per cent of the temporary total disabilities, and nearly 92 per cent of the

temporary partial disabilities are classified in the Army.

Diagram 69 shows the separation of cases into deaths, permanent total disabilities, permanent partial disabilities, temporary total dis-

Organizations.

I	er cent c		5 11	331 3 1114
	Death, al	Dis-	Death.	Disability.
Infantry		25.3		
v		4.8		
Depot Brigade		4.0		
Navy				
Field Artillery		3.4		
Engineer Corps		2.9		
Medical Corps		2.8		
Machine Gun Battalion		2.8	Partie and Partie and Partie and Partie and Partie and Parties and	
Quartermaster Corps	. 1.0	1.4		
Marine Corps	9	1.1		
Coast Artillery	8	. 9		
Signal Corps	8	. 9		
Aviation	6	. 9		
Motor Transport Corps	6	. 7	3	
Labor Battalion	9	. 3	劉	
Training Corps	7	. 4		
Ordnance	3	. 6	D	
Cavalry	2	. 5	n	
Tank Service		. 1	=	
Chemical Service	1	. 1	1	
Trench Mortar	1	. 1	İ	
Balloon Corps	1	. 0	i	
Army Nurse Corps		. 1		
Coast Guard		. 0		
All others		2.4		

DIAGRAM 68.—The total number of compensation claims awarded separated as to death and disability cases distributed according to organizations.

Organizations.

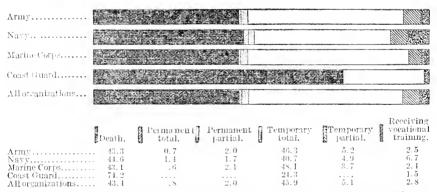


DIAGRAM 69.—Claims for compensation awarded to members of the Military and Naval establishments. The propertions of deaths and the various extents of disability are represented for each organization.

abilities, temporary partial disabilities and temporary total disabilities receiving vocational training for each of the four arms of the service.

COMPENSATION-DEATH AND DISABILITY CASTS.

Table 72.—Main divisions of the Military and Naval Establishments.

				Disal	oility.			
Organization.	Dentli.	Perma- nent total with or without nurse.	Perma- nent partial.	Temporary total with or without nurse.	Tempor- ory partial.	Receiving voca- tional training.	Total.	Total death and dis- ability.
Army	22, S11 28	370 3	1,056	24, 351 40	2,721	1,346	29, 514	52,655 73
Navy Navy Nurse Corps. Marine Corps. Coast Guard	1, 866 4 493 49	59	69 21	1,703 3 551 46	203 42	282 27 1	2,316 3 651 17	4, 182 7 1, 144 66
Total	25, 251	4:39	1,149	26,664	2,965	1,656	32, 876	58, 127

XXIII. CAUSES OF DEATH AND OF DISABILITY.

The analysis made in the following tables and diagrams is an inquiry into the conditions responsible for the deaths and the disabilities. The study of cause for the death group is not satisfactory since, as has been pointed out, the group is very restricted. The cause of disability study, however, gives a complete exposure of cases with the exception of those temporarily disabled who recovered in military hospitals, and of those who died before discharge having no dependent relatives in the permitted class.

COMPENSATION-DEATH AND DISABILITY CASES.

Table 73.—Causes of death and disability.

Table 73.—Ca	uses oj	f death	and di	isabi l it	<i>y</i>			
				Disal	ility.			
Cause.	Death.	Per- ma- nent total with or with- out nurse.	Per- ma- nent par- tial.	Tem- po- rary total with or with- out nurse.	Tem- po- rary par- tial.	Re- ceiv- ing voca- tional train- ing.	Total.	Total death and disa- bility.
Disease or injury	21		4	27	1	1	39	60
TRAUMATISMS, Accidents, Action, killed or wounded in Airplane Annumition. Animals, injured by Athletic: Automobile and truck Bagloon. Bayonet Chemicals Conflagrations. Cold, excessive Drill Drowning Explosion. Fall of objects. Fall of persons Foreign objects Gas, poisonous Gunsbat wounds Injuries.	44 8,664 142 41 15 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1	34 607 57 114 114 114 114 113 111 27 100 60 507 51	123 8.547 662 664 665 666 666 20 57 91 115 414 61 1,075 384 609	19 907 111 112 39 266 36 1 1 1 16 16 17 164 48 90	14 502 11 32 23 12 15 15 1 15 1 1 1 4 4 4 61 26 48 61 29 62	191 10,628 93 240 261 111 276 3 9 8 9 25 115 128 173 684 175 1,150 518 819	235 19, 202 235 281 276 364 4 111 226 116 101 187 721 250 1, 228
Los Luts a. Machinery. Construction machinery. Factory machinery. Loading and inhoading machinery. Lumbering machinery. Vissing in action. Motorcycle. Marder.	2 25		11 1 2 1	30 2 1 7 5	1 1 12	1 12	4 2 9	545 57 4 2 11 8 6 154
Foisoning Railroad tram (steam and electric)	13	10	33	7 166	10	1 23	11 242	24

Table 73.—Causes of death and disability—Continued.

				Disa	oility.			
Cause.	Death.	Per- ma- nent total with or with- out nurse.	Per- ma- nent par- tial.	Tem-po- rary total with or with- out nurse.	Tem- po- rary par- tial.	Re- ceiv- ing voca- tional train- ing.	Total.	Total death and disa- bility
TRAUMATISMS—continued.								
Shell shock	4		2	89	8	6	105	10
Shot Strangulations	47		16	52	5	10	83	130
Suicide	38							3
Wagon, animal-drawn	4		2	20	6	1	29	3
DISEASES,								
DiseaseAbscess			1 4	$\frac{28}{116}$	13	$\frac{1}{9}$	34 142	9.
Auscess Alcoholism	3		4	5	13	1	142	18
Anthrax	. 1							
Apoplexy, cerebral henorrhage Apoplexy, pulmonary	$\frac{32}{5}$	1		1	2		$\frac{7}{2}$	3
Appendicitis	.! 111		2	120	6	6	134	21
Asthma. Bladder, diseases of	2	1	1	137	20	9	168	17
Biadder, diseases of Bones, diseases of (other than tuberculosis)	4 8		5	16 138	5 19	$\frac{2}{12}$	23 174	18
Bright's disease	9.5	16		256	21	16	309	40
Bronchitis	. 22		1	306	39	12	358	38
Cancer and other tumors	38 47	12	2	263	$\frac{2}{35}$	3 16	282 58	32
Diabetes	37	11		1	12	7	31	1 6
Digestive system (except cancer and tuber-				1.49	1.7		170	
culosis)	46 36	1	1	143	$\frac{17}{2}$	9	170 11	21
Ears, diseases of	12		21	322	39	33	415	42
Endocarditis	17		2	180	10	6	198	21
Epilepsy. Eyes, diseases of	9	18	21	130 339	19 50	3 17	152 448	16
Gangrene	. 7	3	1	10	2		16 14	2
Genito-urinary system				12	1	1		1
Gonococcus infection		23	1 37	$\frac{21}{1,892}$	281	151	28 2,384	2,55
Hernia	. 17	2	5	243	37	14	301	31
Influenza and pneumonia	± 5.302	6	1	224	20	5	256	5,55
Influenza Joints diseases of	260		$\frac{1}{12}$	73 498	70	28	81 608	34
Joints, diseases of Kidneys, other diseases of	17	1	1	65	7	3	77	9
Liver, diseases of	. 9	3		14	2	1	20	2
Locomotor ataxia Malaria				3			3	
Malformations		1		127	21	12	161	16
Measles	16	. 2	1	33	5	2 2	43	5.5
Measles and pneumonia Meningitis	325	3	7	52 268	33	22	55 333	38
Mental alienation	. 22	12	- 1	756	33	11	813	83
Nervous system, other diseases of	18	6	3	369 60	39	16	433	45
Neuritis and neuralgia Nose, discuses of	1	9		16	2	6	76 18	7
Paralysis	. 8	. 5	1	111	10	3	130	13
Pericarditis Peritonitis	. 10	1		19		1	21	3 5
Plearisy	14			263	88	19	370	111
Pneumonia	-6.621	6	, ő	583		29	623	7,21
Pott's disease. Purulent infection—septicaemia	61	3	18	7 6-l	15		11 103	1 16
Respiratory system, other diseases of	17	1	1	110	!4	3	129	14
Rhenmatism	. 7	1	5	363	66	38	473	48
Scarlet fever Skin, diseases of	45			13 19	1 2	2	16 22	3
Smallpox.				1			1	İ
Spleen, diseases of	. 2	2		6			8	1 1
Stomach, diseases of (except cancer)	17	. 6		66 80	17 12	7 5	96 97	11
Tuberculosis meningitis	. 21			4		1	5	2
Tuberculosis, lungs	.1 389	100	2	4,641	359	155	5,326	5,71
	54	4	1	166	18	6	195	21
Tuberculosis, all other (except Pott's disease). Typhord fever.	.53		1	- 3	2		()	
Tubercatosis, arrother (except Poll's disease, Typhod fever Miscellane.ms diseases No cause recorded	. 53	2 1	1 8 2	3 52 33	13 10	7 3	112 49	13

The study of the causes of disabilities is made graphically in diagram 70. This shows that those wounded in action constitute far the largest group. Tuberculosis, including pulmonary, meningeal and general tuberculosis, ranks second as a causative agent for disability. It is probable that many of these cases were tuberculous prior to enlistment and that conditions resulting from service reactivated them. Heart diseases and the results attendant upon being gassed in action also stand numerically prominent. Here again the disease tendency, or traces of the disease were possibly undetectable at the time the person was accepted for service. A total of nearly 33,000

Causes of Disability.

Per cent o disabili	
Action, killed or wounded in	32.3
Tuberculosis.	16.2
Heart, diseases of	7.3
Gas (poisonous and barrage)	3.5
Injuries.	2.5
Mental alienation.	2.5
Fa'l of persons.	2.1
Pneumonia	1.9
Joints, diseases of.	1.8
Gunshot wounds	1.6
Rheumatista.	1.4 🗖
Eves, diseases of.	1.4
Nervous system, other diseases of	1.3 🗍
Ears, diseases of	1.3
Pleurisy	i.i
Bron; hitis.	i.i 🗎
Meningitis.	1.0
Bright's disease	
Hernia	.9 🗂
Cancer and other tumors.	.9 🗖
Automobile and truck	.< 🗆
Animals, injured by	.6 0
Influenza and pneumonia	.80
Railread train.	.7 🗖
Ammunition.	.; 5
Tuberculosis, all other	$\overline{\Box}$
Appendicitis and typhlitis	. 4 0
Influenza	, 3 D
Foreign objects	.20
Measles and pneumonia	. 2 0
All other causes.	11.5

DIAGRAM 70.—Causes of disability in cases when compensation claims have been awarded.

disabilities for which claim has been entered and for which compensation has been granted comprises the exposure under observation, and roughly these disabilities may be distributed between traumatism causes, accounting for about 16,000, and disease causes, accounting for about 17,000. Further, the traumatisms consist of about 10,500 "wounded in action" cases and 5,500 cases disabled through accidents. In the latter group inhalation of poisonous gases accounts for over 1,000. The 17,000 disabilities due to diseases may be classified as follows: Tuberculosis of the lungs 5,500; diseases of the heart, 2,500; mental and nervous diseases, 1,500; eye and ear diseases, 1,000; diseases of the joints (including rheumatism), 1,000; and miscellaneous diseases, 5,500.

Diagram 71 shows strikingly that certain diseases which are prominent as causes of death are minor factors in causing disability, and vice versa. It is interesting to note that, while traumatisms account for 46 per cent of the deaths of the insured, they account

Principal Causes of Death and Disability.

Per		f total.
De	enth. I	disabil-
ufluenza and pneumonia	95.4	4.6
neumonia	91.4	8.6
ction, killed or wounded in.	44. 9	55.1
uberculosis—lungs	6.8	93.2
leart, diseases of	6.5	93.5
as	6.4	93.6
ars, diseases of	2.8	97. 2
Kental alienation	2.6	97.4
theumatism	1.5	98.5
oints, diseases of		100.0
yes, diseases of		100.0

MAGRAM 71.—Analysis of selected traumatisms and diseases showing the percentages of death and the percentages of disability for each group in cases for which compensation claims have been awarded.

or 49 per cent of the disabilities of those compensated for disability. In general it may be said that causes as applied to disabilities are not of as much interest as the location of the disability and the condition in which the disabled person is left.

XXIV. RANK IN THE ARMY AND MARINE CORPS.

To the ranks of the Army and the Marine Corps are to be traced 53,872 of the 58,127 compensated deaths and disabilities. It is with these two branches of the service that the study of rank has concerned itself. The following table supplies the numerical statement of those suffering death or disability in each rank.

COMPENSATION-DEATH AND DISABILITY CASES.

Table 74.—Rank of members of the Army and Marine Corps.

Renk.	Death.	Permanent total with or without nurse.	Perma- nent partial.	Tempo- rary total with or without nurse.	Tempo- rary partial.	Receiving voca- tional training.	Total.	Total death and dis- ability.
rivate crporal crgeant adet second heutenant dator dator dator dator dator deutenant colonel colonel leneral No rank recorded	18, 416 1, 796 1, 430 13 394 646 387 114 33 27 4 72	305 22 37 3 6 3 1	\$66 118 70 12 9 4 1	20, 149 2, 277 1, 825 9 178 233 159 21 9 10	2,174 259 232 4 25 37 27 27 3 1	946 179 182 32 23 11	21, 440 2, 855 2, 816 13 250 308 204 26 10 11	42, 856 4, 651 3, 776 26 644 954 591 140 43 38 4 149
Total	23, 332	380	1,050	21,942	2,765	1,373	30,540	53,872

The privates lead in each of the various extents of disability, with those permanently and totally disabled 80 per cent, those permanently and partially disabled 80 per cent, those temporarily and totally disabled 80 per cent, and those temporarily and partially disabled 79 per cent of the total in each respective disability group. The percentage for each rank of the total compensation experience is given in diagram 72.

Army and Marine Corps Rank.

	Per cent of total.	
Total	-	A TOTAL STORY AND A MENTAL STORY AND A STORY
Private	. 79.5	
Corporal	. 8.6	
Sergeant	. 7.0	
First lieutenant	. 1.8	
Second lieutenant	. 1.2	
Captain	. 1.1	B
Major	2	1
Lieutenant colonel	1	1
Celonel	1	1
Cadet	1	1
General	0	
No rank recorded	3	

Diagram 72.—Compensation claims awarded for death and disability separated according to ranks of members of the Army and Marine Corps.

XXV. COUNTRY OF DEATH OR DISABILITY.

Table 75 presents the numerical quota attributable to each of the countries in which the deaths and the disabilities compensated occurred. France led with 16,186 disabilities out of a total of 32,876 cases. The United States, the fatalities and accidents recorded as occurring "at sea," and Belgium are the next largest groups in the order named.

COMPENSATION—DEATH AND DISABILITY CASES.

Table 75.—Country in which the death or the disability occurred.

Country.	De.(th.	Disability.	Total.
United States and possessions.	10,160	12,505	22.665
France	12,876	16, 186	29,062
At sea	1,230	720	1,950
British Isles	271	196	170
Northern Russia and Siberia.	50	21	7.4
A. E. F. (not otherwise specified)	1.31	101	232
Italy	21	16	37
Belgium	62	252	314
Germany	1:33	121	257
Austria	-1		-4
No country recorded	310	2,752	3,062
Tatal	25, 251	32,876	58, 127

XXVI. TERMINATIONS OF COMPENSATION AWARDS.

Compensation awards may be terminated at any time when the conditions for which they were made cease. The reasons for their terminations are shown in Table 76, together with the number of

cases included under each. The death of an awardee or beneficiary refers to either the person disabled in the service or to the dependent relative. The termination is effected only when there is no other dependent relative in receipt of compensation. An awardee who is no longer dependent refers to mothers and fathers, as other reasons operate to make a wife or a child independent. It happens that in no disability cases has the mother or the father ceased to be dependent.

COMPENSATION—DEATH AND DISABILITY CASES.

Table 76.—Cases for which the award has been terminated distributed by reason for termination.

	De	eath.	Disa	bility.	Т	otai.
Reasons for termination.	Number.	Monthly payment.	Number.	Monthly payment.	Number,	Monthly payment.
Awardee died	92	\$2, 152, 50	520	\$18,367,80	612	\$20,520,30
Awardee no longer dependent	126	2,630.00			126	2,630.00
Wife remarried	181	4, 808, 50				4,808.50
Awardee of age	2	62, 50 170, 00	······ś	265, 00	15	62, 50 435, 00
Disability ceased		110.00	4,808	153,810.01	4,808	153, 810. 04
No reason recorded.	16	432, 50	23	899, 90	39	1, 332. 40
Total	421	10, 256, 00	5,359	173,342.71	5,783	183, 598. 7

Reasons for Termination of Awards in Death Cases.

Per co total d		
Total	100.0	AND ASSOCIATED TO A SECURITION OF THE PARTY
Wife remarried	42.7	
$\Lambda wardee \ no \ longer \ dependent \dots$	29.7	
Awardee died	21.7	
Awardee misconduct	1.6	1
Awardee of age	. 5	
No reason recorded	3, 8	

DIAGRAM 73.—Analysis of the reasons monthly payments have been terminated in compensation claims awarded on account of death.

Diagram 73 presents the reasons for the termination of death cases together with the graphic comparison of the groups, while diagram 74 shows the reasons and the comparison of groups in disability cases.

Reasons for Termination of Awards in Disability Cases,

Per ce total disa		s
Total	100.0	
Disability ceased	89.7	
Awardee died	9.8	
Δ wardee misconduct	. 1	
No reason recorded	. 1	

Dividity 74.—Analysis of the reasons monthly payments have been terminated in compensation claim; awarded on account of disability.

COMPENSATION—DEATH AND DISABILITY CASES.

TABLE 77.— Cases for which awards have been terminated distributed by the date of termination.

								Disability.	ility.							
Date of terminate c.	<u>-</u>	Denth.	Perma with c	Permanent total with or without nurse.	Per	Permanent partial.	Temp with	Femporary fotal with of without nurse.	Tem	Temporary partial.	Kor Tin	Receiving vocational training.	5	Point.	T. T.	Total death and disability.
	Num.	Morthly Payment.	Neg-	Monthly paymont.	Num- ber.	M nthiy rayment.	Num- ber.	Menthly payment.	Num- ber.	Montbly payment.	Num- ber.	Monthly payment.	Num.	M authly payment.	Num- ber.	Monthia payment.
1917. November			- ::	\$30,00			x 121	\$265,00 1,100,00		22.50			e. <u>2</u> 6	\$295,00 1,212,50	e- ₩	\$295,00 1,212,50
January February	÷1	\$10,00		30, 00 30, 00			38	1,745,00		5.5			2.7	1 775 00 2 775 00	18.79	1,775,00
March.		8 E 8	es 21	200.00			95.2	1, 165, 17 6, 075, 00	o. is	148, 68 59, 42			₩ 6	1, 10g, 85 6, 631, 12	- 21	6, 406, 92
June		13.5	х У .	- - - - - - - - - - - - - - - - - - -			27.2	5, 785, 00 15, 786, 00	<u> </u>	201. 21.81			E E	9 550 6		5,3%9.% 6,183.83
August	191 	536, 90	× 1-	310,00	-	\$18,00	3.8	7,799,90	í ří	560, 28 522, 36			5.5	8, 9, 1, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8,		9, 001, 9 9, 085, 90
September	2 7	8 8 8 8 8 1	_ _ 31:	745, 00			252	7, 951, 80 8, 210, 00	S	17.7. E	-	830,00	7 6	2 (8) (8) (8) (8) (8) (8) (8) (8) (8) (8)		9, 105, 61
November		SS 98 830 88	2 2	540, 00 975, 00	:1-	8 % 5 -	8.55 8.50 	5, 8 1, 8 1, 8 1, 6 1, 6 1, 6 1, 6 1, 6 1, 6 1, 6 1, 6	- 51 25	87.8 51.8				5,957.6		8,807.4
1919. January		850, 60	81	857,00			£	6, 720, 00	16	227, 07			537	75 53. 07		S 713.07
February.		1, 215, 00	= :::	535, 98 615, 88	?1	90.5	61 KG	15, 55, 55 15, 55, 55 15, 55, 55	ระสั	188.68 18.88 18.88	2112	510, 06 864, 30	S 5	12, 250, 65		12, 420, 63 13, 150, 63
April	1- X	25 55 5 2 5 5 5 2 5 5 5	±'	655.00	c	45.50	E	5,72.3	1807	103,71	616	1,058,62	7	25, 902, 01	X.	27,091.31
June	£2 	850,00	-	100, 00	-	18, 00	199	5,388,00	E E	190, 00	Z.X.	1,276.30	2 2	6,131,00		7,014.00
Total	7	10, 256, 00	33	7,945.00	5.	131.30	4,670	155, 284, 57	903	5,717.07	8	4, 267, 80	5,339	173,342,71	5,7%	183, 598, 74

Remarriage of a widow or a child becoming of age affects only death cases, since in a disability case the disabled person would still be compensated. Awards in disability cases may only be changed for these reasons. Misconduct of the disabled or proof that an awardee is morally undeserving will terminate a compensation award. The recovery of disabled persons is responsible for the closing of almost 90 per cent of the terminated cases, and the death of the disabled person has closed nearly 10 per cent.

The dates on which the 5,783 cases have been terminated is

presented in Table 77.

Comparison of groups of terminated cases with those cases upon which awards are actively running is made for the beneficiary groups. Table 78 shows those beneficiaries who are still receiving compensation and those whose awards have been terminated, considering exclusively cases which have been judged compensable because of the death of the person in the service. Of the 205 wives whose compensation was discontinued 181 were remarried, while the remaining 24 either died, were undeserving or there was no reason recorded for the action taken. Similiarly other groups might be analyzed.

COMPENSATION-DEATH CASES.

Table 78.—Relationship of beneficiary to the deceased showing awards still being paid and those terminated.

	A	ctive.	Terr	uinated.
B ene ficiary relationship.	Number.	Monthly payment.	Number.	Monthly payment.
WifeChild.	6, 972 430	\$174, 497, 46 8, 516, 25	205	\$5, 121. 00 40, 00
More than 1 child. Mother	139 7, 852	4, 515, 70 159, 980, 25	152	3, 112. 50
Father Frandmother	1,453	30, 142, 50 77, 50	24	485.00
trandfather lister.	$\frac{2}{24}$	55, 00 1, 110, 00		
Brother. Vifo, child.	$\frac{6}{3,283}$	316, 25 114, 879, 74	17	
Vife and more than 1 child	$\frac{1,246}{357}$	55, 438, 97 15, 955, 00	10	425, 00 45, 00
fother, child fother and more than 1 child	38 5	1,488,75 440,00		
fother, father Lother, sister	$\frac{2,617}{1}$	78, 870, 00 30, 00		360.00
Vife, child, mother Vife, mother and more than 1 child	109 43 197	6, 005, 00 2, 762, 50 10, 853, 00		72.50
Vife, others.	34 7	1, 427, 50 275, 00		12.00
lother, others. Pather, others	7	312, 50		
Total	24, 827	667,948,87	424	19, 256, 00

Table 79 presents those awardees who in combination with the disabled person are receiving compensation and those whose awards have been terminated. When the disabled person recovers, the awards made to all dependents are terminated as is the award he has been drawing. The 551 cases where compensation was discontinued for death and for misconduct of awardee, and those with no reason recorded as given in Table 76, were cases of the disabled alone receiving benefits. Otherwise the award will continue to the remaining beneficiary. They are included among the 4,402 cases in Table 79.

COMPENSATION-DISABILITY CASES.

Table 79.—Relationship of the beneficiary to the disabled showing awards still being paid and those terminated.

	Λ.	tive.	Terr	ninated.
Beneficiary relationship.	Number.	Monthly payment.	Number.	Monthly payment.
Self, self, wife, Self, child, Self, child, Self, child, Self and more than I child. Self, mother, Self, father, Self, father, Self, sister, Self, wife, child, Self, wife, child, Self, wife and more than I child. Self, child and mother, Self, mother and more than I child. Self, there and mother. Self, fothers, Self, fothers, Self, others.	40 957 79 1 1,044 467 4	\$632, \$79.56 97, 035, 19 2, 579.24 2, 121, 00 36, 518, 48 2, 918, 93 30, 99 54, 948, 73 30, 634, 11 175, 00 60, 00 11, 73, 63 5, 238, 31	4, 402 472 19 5 169 11. 173 75 2 1 23 7	\$129, 413, 98 20, 319, 41 755, 00 275, 00 6, 575, 48 407, 90 9, 094, 20 4, 798, 77 100, 00 60, 00 1, 105, 00 435, 00
Total	27, 517	876, 919. 58	5,359	173, 342, 74

Table 80 summarizes the facts with regard to active and terminated cases compensated for death and for the various extents of disability. Although by far the largest number of cases closed have been among the temporarily and totally disabled persons, this is not the group having the largest percentage of terminations, for nearly 44 per cent of the permanent total disability cases have been terminated while only 18 per cent of the temporary total disability cases have been terminated.

COMPENSATION—DEATH AND DISABILITY CASES.

Table 80.—Summary of cases upon which awards are still being paid and those which have been terminated.

		\ctive.	Ter	minated.	,	Total.
	Num- ber.	Monthly payment.	Num- ber,	Monthly payment.	Num- ber.	Monthly payment.
Permanent total, with or without nurse. Permanent partial. Temporary total, with or without nurse. Temporary partial. Receiving vocational training.	$\frac{1,140}{21,991}$	12,313,63 734,901,63	424 192 9 4,670 400 88		25, 251 439 1, 149 26, 664 2, 968 1, 656	\$678, 204, 87 27, 659, 50 12, 444, 93 890, 183, 20 42, 961, 38 77, 013, 31
Total	52, 311	1, 511, 868, 15	5,783	183, 598, 74	58, 127	1, 728, 467, 19

Deaths and Disabilities.

Per cent of total.

Active. Termin-

ve.	ited.	
90, 2	9.8	
38.0	5.0	A STATE OF THE STA
42.7	. 7	E CONTROL OF THE STATE OF THE S
4. 1	. 7	
2.7	. 1	3
2.0	. ()	器
. 1	. 3	
	38.9 42.7 4.1 2.7 2.6	38.9 8.0

Pragram 75.—Compensation claims awarded on account of death or of various extents of disability showing those upon which payments have been terminated and those upon which payments are still being made.

Diagram 75 is in representation of Table 80, making a comparison of cases active with those terminated in death cases and the various disability cases.

XXVII. TOTAL DISABILITIES.

Total disabilities are divided into two classes, those disabling permanently and those disabling temporarily. The basis for the compensation award is the same for both. The latter group, however, is reviewed each month. Men who are helpless and bedridden are given an allotment for a nurse. Of the 27,103 total disabilities, 63 have had nurses. Table 81 presents these facts, showing that 21 of them were permanent total disabilities, and 42 were temporary disabilities, and of these cases 17 have terminated. All the 192 terminated permanent total disabilities died, while comparatively few of the terminated temporary total disabilities have died, the remaining ones having recovered. These 192 deaths have caused the awards to be terminated, and 48 additional deaths of permanent total disabilities were included in the 177 disability cases changed to death cases and awarded compensation. The permanent total disability group of 439 cases has within it a smaller group of 199 comprising those persons who have lost both hands, both feet, or who are totally blind, or who are totally helpless and permanently bedridden. All such disabilities are awarded \$100 compensation.

COMPENSATION-PERMANENT AND TEMPORARY TOTAL DISABILITY CASES.

Table 81.—The active and terminated cases indicating those for which there is an attendant nurse.

Claims.	Per	manent to	stal.	Ten	iporary to	otal.		ent total a total com	
Clarins.	Without nurse.	With nurse.	Total.	Without nurse.	With nurse.	Total.	Without nurse.	With nurse.	Total.
Active Terminated	230 188	17 4	247 192	21, 965 4, 657	29 13	21,994 4,670	22, 195 4, 845	46 17	22, 241 4, 862
Total	418	21	439	26,622	42	26,664	27,040	63	27, 103

COMPENSATION.

Table 82.—Showing original awards for permanent and total disability.

	Original awards.	Awards June 30, 1919.	\$100,00 awards.	\$30,00 awards.
Changing to death awards	192	192		159
Total deaths since original award Still alive and receiving award	240 247	247	166	81
Total	487	439	199	240

Table 82 makes a study of the entire permanent total disability group showing the physical condition existing and indicating those to whom \$30 awards were made and those to whom \$100 awards were made. Diagram 76 presents for comparison a grouping of the 439 permanent disabilities, according to the major injury or disease.

In comparing the permanently and totally disabled group of 439 cases in the compensation experience with the permanently and totally disabled group of 565 cases in the insurance experience it is noted that the latter is the larger. This warrants explanation since it would appear that the former should exceed. The 565 cases in the insurance group covers 25 disabilities occurring prior to October 6, 1917, before which time disabilities were not compensable. Moreover, 48 permanent total disabilities first awarded compensation, later died, and in this experience have been considered in the death group with the exception of the presentation in Table 70. Therefore 540 disabilities have been awarded insurance and 487 disa-

439 Permanent Total Disabilities.

Total	100.0
Die-L	43.7
D'in l in one or both eyes	16, 6
Tuberculo is	12.3
Dismembered legs	as
Impaired eyesight	4.3
Paratysis	3.4 😤
Eldneys	2.3
Blind in one eye	1.8
Dismembered arms	1.8
Diseased organically, heart	1.4
Ankylosis	1.4
Diseased mentally	1.0
All others	3.2

Fiven vm 76.—The total number of permanent and total disability cases upon which compensation has been awarded, showing those diseased, those injuried, and these deceased.

bilities have been awarded compensation during the same period of time.

When it is remembered that a permanent total disability, if insured, is entitled to insurance award while still in a military or a naval hospital but is not entitled to compensation until discharged from the service, it is evident that many of the insured who die or who are still in hospitals after receiving insurance awards have never become compensable cases. Further it occurs that persons are classified as temporary total disabilities for the compensation award until decision is reached that the case is a permanent total disability at which time only may insurance be awarded. Since the compensation award is the same for temporary total disabilities as for permanent total disabilities the classification for compensation is sometimes unclanged even after the insurance is awarded. Therefore, those disabilities receiving insurance awards while still in the service, or in case of their dying in the service after insurance was awarded, and those disabilities receiving insurance but classified as temporary total disabilities under the compensation experience, ac-

count for the excess of the insurance disabilities over the permanent

total compensation disabilities.

The temporary total disabilities will very soon change to some other classification and as a consequence it is of small interest to make a very detailed study of them. It is pertinent, however, to show the present condition of the large group of disabilities which at present compose this class. Diagram 77 shows that almost 40 per cent were externally injured exclusive of those blind or with impaired sight and those who have either died or recovered.

28,320 Temporary Total Disabilities.

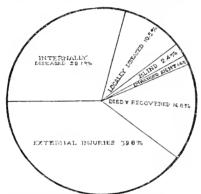


DIAGRAM 77.—The total number of temporary and total disability cases which have been awarded compensation, showing those diseased, those injured, and those decesaed and recovered, including those who have accepted vocational training.

XXVIII. PARTIAL DISABILITIES.

The separation of permanent partial disability cases according to the physical conditions is made by means of the following diagram.

1.149 Permanent Partial Disabilities.

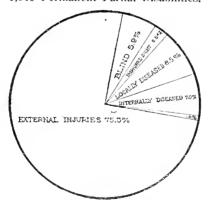


Diagram 78—The total number of permanent and partial disability erres upon which compensation awards have been made, showing those diseased, those injured, and those deceased and recovered.

That fully three-fourths of the permanent partial disability cases have resulted from external injury is characteristic of the class. Those blind in one eye and those with impaired eyesight form another group

of 8.4 per cent. Locally and internally diseased cases make up a group consisting of all the remaining cases with the exception of the

9 cases of disability who have died or recovered.

The partial disabilities are assigned a proportional rating of disability after a physical examination, and by means of this and with the total disability award as a basis, the monthly compensation is determined. Table 83 presents the 1,149 permanent partial disability cases classified according to the ratings of physical impairment. It gives also the ratings of the 9 terminated cases.

COMPENSATION-PERMANENT PARTIAL DISABILITY CASES.

Table 83. -- Degrees of permanent disability, showing those awards still being paid and those terminated.

	Λe	tive.	Term	inated.	Тє	otal.
Per cent.	Number.	Monthly payment.	Number.	Monthly payment.	Number.	Monthly payment.
0-11	319	\$1,183.56	2	\$12.02	321	\$1, 195, 5
5-19	1 19	818.16			149	818.1
0-24	146	1,132.65			146 -	1, 132, 6
5-29	69	592. 92	1	20, 28	70	613. 2
0–34	84	897. 45			81	897.
5–39	18	210, 45			18	210.
0-44	55	732.72	2	30, 00	57	762.7
5-49	11	165. 56			11	165
) - 51 ,	56	906, 66	, 1	15, 00	57	921.1
5-59	12	232.31			12	232.
H64	104	2, 105, 13	3	54.00	107	2,159.
5-69	15	342.98			1.5	342.
⊢74	4	119.00			4	119.0
5–79	16	417.14			16	417.
HS1	23	658, 75			23	658.
i=89	4	114, 75			4	114.
)-91	33	1,015.45			33	1,015.
5-99	22	667, 99			22	667. 9
Total	1,140	12,313.63	9	131, 30	1,149	12, 444.

Table 84 gives a complete analysis of the physical conditions of those permanently and partially disabled.

COMPENSATION—PERMANENT PARTIAL DISABILITY CASES.

Table 84. Showing permanently and partially disabled cases, according to condition at time of last award, also indicating whether active or terminated.

	Vetive.	Terminated.	Total active and terminated.
Blind in one eye (72):			
	68	1	69
One eye only	0.5	1 2	9
Impaired eyesight—both eyes (29)			91
External injuries (868):	20		2.5
Amputations (226)—			
One arm	97		27
Finger or fingers.			180
One leg.			19
Dismemberments (184)—	1.0		
One arm	33	1 1	3.1
Oneleg			8
Other than above.	140	2	142
Other major injuries (22)		- 1	
Paralysis—partial	1.1		14
Loss of use—total.	8		8
Minor injuries (436)—			
Adhesions	6		6
Burned	1		1
Deformed	14		1.1
Dislocated.	3		3

Table 84.—Showing permanently and partially disabled cases, according to condition at time of last award, also indicating whether active or terminated—Continued.

	Active.	Terminated.	Total active and terminated.
External injuries – Continued.			
Minor injuries Continued.			
Flat feet	17		1
Fracture—both arms	1		•
Fracture—one arm	6		
Fracture—both legs	1		
Fracture—one leg	9		
Fracture—skull	4		
Infected	2		
Injured	271		27
Lacerated	1		
Loss of use—partial	91		9
Ruptured.	4		
Shortened limbs	2		
Sprains and strains	3		
Locally diseased (98):			
Ankylosis—one or both arms.	31		3
Ankylosis—one or both legs.	13		1
Diseased—constitutionally	9		
Diseased—locally	16		1
Ears, deaf—total	2		
Ears, deaf—partial	27		2
nternally diseased (82):			
Deficient mentally	5		
Diseased—mentally		1	
Diseased—organically, tuberculosis	75		7
Diseased—organically, heart		1	
Total.	1,140	9	1,14

Table 85 gives in detail the classification of all the disabilities according to the physical condition and the anatomical part affected. This tabulation effects also a separation of those cases active and those terminated. The latter group is separated further into those

Deaths and Recoveries.

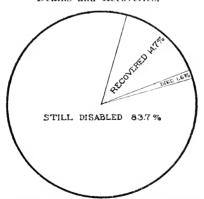


DIAGRAM 79.—The disabled to whom compensation awards have been made, separated into those who have since died, those who have since recovered, and those who are still alive.

who have died and those who have recovered. In this classification the 8 disabled whose awards were terminated because of their misconduct were treated as recovered. The 23 cases where no reason for termination was recorded were also classified in the same group. All classes of disability are included in the graphic analysis presented in diagram 79 and separated into those who have recovered, those who have died and those who are still alive.

COMPENSATION—DISABILITY CASES.

Table 85.—Showing achive cuses, logether with those terminated, by extent of disability and condition at time of last award, also indicating the reason for termination of award.

			Active.				Terminated.	,	
	Permanent total.	 Permanent Permanent total. partial.	l	comporary total, including Temporary vessional partial. training cases,	Total active,	Died since award,	Recovered. terminated	Total terminated	Total active and terminated.
Eyes, both blind. Eyes, one blind. Eye, one blind with one eye impaired. Eye, one blind with one eye impaired.		\$	667 1	ล์	ជមិ _{ភម}	1	2	101	EEsu
Impafred eyesielit (559); Eyes, both Eyes, both with other disability Eyes, both with other disability	_	53	221	30	— #8		12	12	
Amputations (1,134)— One arm Finger or (ingers Two legs One leg with minor disability	2	25. 5	25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5	- ₹ ×	808 717 718 718		13	<u>a</u>	808 829 729 729
Estiment Control (1,308) Two arms with other disability Two arms with other disability One arm One arm with other disability Arm and teg.	2) / / ~	n i in	-6.0	1 7	2 – 60 1 – 60 1 – 7				8 F G G T
Two lets One log with minor desthifty One log with other disthifty One let than above.	200	2 12	381	12	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	C1 C1	01	2 2	12 394 53 53
Andre major major sees, and the first sees, and the first sees of the first sees, and the first sees of the first sees, and th	- 6	41	10 80 10 10 10 br>10 10 10 10 10 10 10 10 10 10 10 10 10 10 1	- 68 - 18	\$ <u>\$</u> 8	φ-		9-	68 456 11
Adhesions Burned Burned Pistocated Distocated Flat feet		S=#6F	177 37 112 112 199	6.2 E.2 G	202 40 457 90 256	m m	E012×3	51 2 2 3 8 24	218 476 476 98 98

	1,457 8,220 63 35 63 1,454 30 325 4 4 5 454 93	13 490 22 458 130 900 149 1,290 29 29 29 25 29 25 20 2	3,046 3,048 3,048 2,048 2,048 3,048 3,048 3,048 3,048 3,048 3,048 3,048 3,048 3,048 3,048 4,	5,359 32,876
7 7	1,429 59 30 4	13 150 150 120 120 120 120 120 120 120 120 120 12	요 용 원 원 원 원	4, 839
	8 4	3.9	#r-08 X8.e.o1	520
160 7 250 36	6,763 1,331 295 141	F 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	705 401 5,583 2,032 368 368	27,517
13 30 6	200 133 133 133 133 134 135 136 136 136 136 136 136 136 136 136 136	1484 NEE 2 3	전문 프로젝션 - 6	2,568
141 210 46	30 5,651 32 1,164 256 355	405 834 1,012 1,012 435 435	676 386 4,933 1,741 335 67	23, 562
୧୮୦୩	21. 21. 21. 21. 21. 21. 21. 21. 21. 21.	31 13 15 9 17	5.	1,116
	701	£ 61	4 100001 H	256
Practure—two arms Practure—one arm Practure—one log with minor disability Practure—state always	Tracture form that above the property of the p	Jocany diseased (5.77). Ankylosed—legs Ankylosed—legs Ankylosed—legs Ankylosed—egs Diseased—constitutionally Diseased—constitutionally Bars—both lead, total Ears—both dead, total Partivist, fotal	Internally diseased (12,328): Diseased mentally. Diseased mentally. Diseased organically—tuberendists. Diseased organically—tuberendists. Influenza, and pneumonia. Diseased organically—tuberendists. Diseased organically—future. Diseased organically—future. Diseased organically—stomath. Diseased organically—stomath. Diseased organically—stomath.	

It is noted in Table 85 that about one-sixth of the cases have died or recovered—mostly recovered—about two-fifths have external injuries, one-fourth are internally diseased, and one-tenth locally diseased, and that in the remaining 4 per cent the eyes are affected. Diagram 77 shows practically the same ratios for the 28,320 temporary total disability cases, indicating that the distribution of these cases was similar.

If the died and recovered groups are divided according to their previous condition, we increase the quota of the internally diseased from 28 per cent to 38 per cent and the externally injured from 41

per cent to 46 per cent and the other categories slightly.

Cases in which the disability consists of total blindness are permanent total disabilities in the receipt of \$100 awards. Impaired eyesight has been to such an extent in 16 cases as to render the disability to be classed as permanent and total. Blindness in one eye eventually places the disability as permanent and partial unless the other eye is also very seriously affected. Other sight impairments have occurred, making both temporary total and temporary

partial disabilities.

Of the external injuries, as might be expected, the great majority are of a minor nature. Still, we note 1,434 amputations and 1,368 dismemberments. The 535 cases placed in the category of "other major injuries" are of somewhat uncertain classification; most of them are paralysis cases where very little information is given as to the cause of the paralyzed condition; whether external or internal. Probably many of them should be under the group "locally diseased." Over two-thirds of the minor injuries are in the unspecified group "injured," these if distributed, would markedly affect the number of arm and leg cases.

Ankylosis is the principal definitely known condition among the 'locally diseased' group. Among the 'internally diseased,' tuberculosis, heart disease and mental disease are the outstanding causes of the diseased condition. Only three-fourths of these 'internally

diseased" are still active cases.

The distribution of the permanent partial disability cases among the general divisions based on variation of physical disablement presents quite dissimilar results from the distribution of the other classes of disability. Those internally diseased constitute but 7 per cent, and the deaths and recoveries but .8 per cent of the total of those suffering permanent partial disability. This permanent partial disability group is the classification toward which all the disabilities except the permanent total will gravitate as time goes on. It will contain the net living human wastage of the war, and while it will show the most growth, the present indications are that it will not become very large. Permanent disability and vocational training cases increased from about 5 per cent to 10 per cent of the total up to June 30, 1919. The cases in which the loss of limbs was suffered are not relatively numerous among those "externally injured."

The permanent total disability cases will be diminished by death. The ranks of those disabled by tuberculosis and heart disease are being rapidly diminished by death. Those suffering from mental

diseases will probably linger the longest.

XXIX. CHANGES IN COMPENSATION AWARDS.

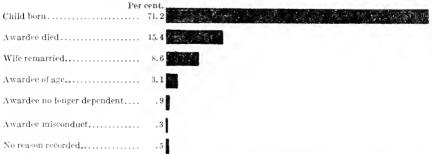
The bases for compensation awards are largely dependency and temporary disability—for out of the 58.127 cases only 1,588 cases concern permanent disabilities, which change or are terminated because of death. As a result there are many changes constantly occurring in compensation awards. The reasons for the changes in compensation awards are enumerated in Table 86, with a further notation of the number of changes arising under each reason. These changes may either increase or decrease an award, and a single case may appear several times in the same or different reason groups.

COMPENSATION-DEATH AND DISABILITY CASES.

Table 86.—Reasons for changing the amounts of awards.

Reason for change of award.	Death.	Disability.	Total.
Child born	674	127	N()
Awardee diedVocational training accepted	138	195 1,460	33 1, 45
Divorce. A wardee no longer dependent.	9	9	1
A wardee married. Wife remarried	88	244	24 8
A wardee of age Misconduct of awardee	30 3	12	1
Nurse in attendance or not Temporary partial cases:		35	3
Earning capacity changed Became temporary total			20 88
Became permanent total. Became permanent partial.		24	2
Temporary total cases: Became permanent partial		4.58	45
Became permanent total Became temporary partial		38 2,868	2,86
Permanent partial cases: Earning capacity changed			2,0
Became temporary total. Became temporary partial.		34	3
'hange in law Hher changes in physical status.		250	25
No reason recorded.	5	21	2
Total	947	6,889	7,83

Reasons for Changing Awards in Death Cases.



Plagram 80.—Analysis of the reasons monthly payments have been changed in compensation claims awarded on account of death.

Reasons for the changes occurring in awards made in death cases are concerning variations in the status of dependency or of death of beneficiaries. The comparison of the groups is made in diagram 80.

Nearly three-fourths of the changes are due to the birth of children. This change increases dependency and consequently the award. The remaining groups occurring are changes operating to decrease the

Reasons for Changing Awards in Disability Cases.

disa	cert otal bility
Temperary total by ame temperary partial	41.6
Vocarienal trainir g accepted	21.2
$Temperary\ part! al-became\ temporary\ total$	12.8
Tempe rary total—became permanent partial,	6,6
Changed in law	7,6
Awardee married	3,5
Temperary partial carrieg capacity changed,	3, 0
Awardee died	2. \
Child bern	1.8
${\bf T}emperary\ total-hecame\ permanent\ total$.6 []
Nurse in attendance or not	.5
Permanent partial became temporary tetal	.5
Temporary partial—became permanent partial,	.4
Awardee no longer dependent	.2
Awardee of age	.2
Permanent partial—became temporary partial	.1
Other changes in playsical status	.1
$\label{eq:capacity} Permanent partial - earning capacity \ changed. .$.1
Divorced	.1
tv ardee misconduct	.d
Notes extereded	.3

Dungram M. - Arely is of the resson monthly payments have been changed in compensation claims awarded on account of disability.

amount of the awards. Reasons for changes occurring among the disability cases include those among death cases as well as many others due to the change in the physical status of the disabled person.

Diagram 81 presents those reasons in the order of the magnitude of

the groups.

Such changes as that from a temporary total to a temporary partial status, and that from a temporary total to a permanent partial status, and as divorce, decrease the compensation award, while such changes as that from a temporary partial to a temporary total status and as awardee married, increase the award. Other reasons, as changes in earning capacity and as the securing or the dismissal of a nurse, may either decrease or increase awards.

The exposure of cases under observation in the compensation study has been made after the last changes of awards, of beneficiaries, etc., have been made, and has consisted of all cases whether the cases now have active awards running or whether the awards have been terminated. The analysis, in other words, consists of the exposure of active and terminated cases in their final status. Very few of the cases, with the exception of certain permanent disability cases, have

Distribution of Awarded Claims.

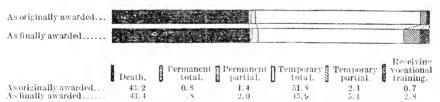


DIAGRAM 82.—The total number of compensation claims awarded showing the distribution of cases according to death and the various extents of disability as originally awarded and the change of that distribution as finally awarded.

maintained the status which was held when the compensation was

originally awarded.

Diagram 82 pictures the change in the distribution of the cases among the six groups considered in the compensation study as they were originally awarded and as they were at June 30, 1919, for active cases or at the date of termination for closed cases. Two noticeable phases are here brought to light—the permanent total disabilities have remained practically unchanged and the other groups have all been increased at the expense of the temporary total disability group.

XXX, CASES FOR WHICH NO AWARD HAS BEEN MADE.

A number of cases have arisen for which no award of compensation could be made. Some of these claims show clearly that no award can be made in accordance with the war risk insurance act and are therefore disallowed. Other cases have developed from reports of death or disability, erroneous or otherwise, where there was no claim for compensation. Such cases are closed and no award is made, though any or all such cases may be reopened at any time. Some claims which have been disallowed are of such a nature that they also may be reopened.

The 50,855 claims which have not been allowed compensation are presented in table 87 showing the reasons for disallowance.

COMPENSATION—DEATH AND DISABILITY CASES.

Table 87.—Claims on which awards have been disallowed.

Reasons for disallowance.	Death.	Disability.	Total.
Disability less than 10 per cent.		2,302	2,30
Not in service since Oct. 6, 1917	4.5	134	18
Never in service	7.7	309	386
Death or disability not result of service	289	199	48
l'arents not debeudent	43,144		43,14
No relatives in permitted class	3,633		3,63
Willful misconduct	214	96	210
Suicide—uot in line of duty	369		369
Beneficiary morally undeserving	12		1:
Beneficiary alien enemy	29		2:
Total	47,815	3,040	50, 55

Over 90 per cent of the disallowed death cases were given an adverse verdict for the reason that the parents were not dependent, and in nearly 8 per cent of the cases there were no relatives entitled to benefits. In the majority of these cases the bureau had opened the case upon a notice of death and immediately thereafter forwarded requests to persons concerned in the case for statements of dependency and relationship. The answers usually were simple statements showing no dependency or a relationship not covered in the act with no request for compensation. In nearly 76 per cent of the disallowed disability cases the disabled person was not disabled to the extent of 10 per cent of a total disability.

COMPENSATION—DEATH AND DISABILITY CASES.

Table 88. Cases filed for which there was no claim and for which there is no award.

Reasons.	Death.	Disability.	Total.
Stillin the service (erroneously reported dead or disabled)	1,686 $10,746$ 133 195	. 1 2.243 37 387	1,687 12,989 170 582
Total	12,760	2,668	15,428

The 15,428 cases in which no compensation awards were made are covered in Table 88. All these cases have arisen from the consideration of notices of a death or of a disability as a claim. An attempt has been made to locate possible claimants in death cases and to compensate all those disabled in the service when the disability is covered under the law.

Table 89 summarizes all cases which have not been awarded compensation.

COMPENSATION-DEATH AND DISABILITY CASES.

Table 89.—Cases recorded for which there is no award.

Reasons.	Death.	Disability.	Total.
Disallowed claims	47, 815 12, 760	3,040 2,668	50, 855 15, 428
Total	60, 575	5.708	66, 283

APPENDIX.

ORDER OF TABLES.

INSURANCE.

- Total claims received and disposed of.
- 2. Age of the insured—Contract insurance.
- Age of the insured—Automatic insurance.
 Age of the insured—Contract and automatic insurance.
- 5. Relationship of the beneficiary to the insured—Contract and automatic insurance.
- 6. Policy amount—Contract insurance.

- 7. Duration of policy—Contract insurance.
 8. Date of death or disability—Contract insurance.
 9. Date of death or disability—Automatic insurance.
 10. Date of death or disability—Contract and automatic insurance.
- 11. Date of death and organization—Contract insurance.12. Date of disability and organization—Contract insurance.
- 13. Date of death and organization—Automatic insurance.
- 14. Date of disability and organization—Automatic insurance.
- 15. Organization of the insured—Contract insurance.16. Organization of the insured—Automatic insurance.
- 17. Organization of the insured—Contract and automatic insurance combined.
- 18. Date of death and organization—Contract and automatic insurance.
- 19. Date of disability and organization—Contract and automatic insurance.
- 20. Causes of death or disability—Contract and automatic insurance.
- 21. Diseases of the respiratory system—Contract and automatic insurance. 22. Causes of death or disability and organization—Contract and automatic insurance.
- 23. Rank of the insured and organization—Contract and automatic insurance.
- 24. Causes of death with rank of the insured in the Army—Contract and automatic
 - insurance.
- 25. Causes of disability with rank of the insured in the Army—Contract and automatic insurance.
- 26. Causes of death with rank of the insured in the Marine Corps—Contract and
- automatic insurance. 27. Causes of disability and rank of the insured in the Marine Corps—Contract and
- automatic insurance. 28. Causes of death and rank of the insured in the Navy—Contract and automatic
- insurance. Causes of disability and rank of the insured in the Navy—Contract and automatic
- insurance. 30. Causes of death and rank of the insured in the Coast Guard-Contract and automatic insurance.
- 31. Causes of disability and rank of the insured in the Coast Guard—Contract and automatic insurance.

- 32. Country—Contract insurance. 33. Country—Automatic insurance. 34. Country—Contract and automatic insurance, combined.
- Cause of death and country—Contract and automatic insurance.
- 36. Cause of disability and country—Contract and automatic insurance.
- 37. Cause of death in the United States and the date of death—Contract and automatic insurance
- 38. Cause of death in France and the date of death—Contract and automatic insurance.
- 39. Cause of death in the British Isles and the date of death—Contract and automatic insurance. 40. Cause of death at sea and the date of death—Contract and automatic insurance.
- 41. Cause of death in Germany and the date of death—Contract and automatic insurance.
- 42. Cause of death in the United States with organization—Contract and automatic insurance.

- 43. Cause of death in France with organization—Contract and automatic insurance.
- 44. Cause of death in the British Isles with organization—Contract and automatic insurance.
- 45. Cause of death at sea with organization—Contract and automatic in urance.
- 46. Cause of death in Germany with organization—Contract and automatic insurance.

47. Cause of disability of insured who have died or are still alive.

48. Physical condition of disabilities.

49. Cause of disability with the resulting condition.

- 50. Organization of disabled insured—Contract and automatic insurance.
- 51. Permanent total disabilities who have died or are still alive—Contract and automatic insurance.
- 52. Deaths in and out of the service—Contract and automatic insurance.
 53. Reasons for change of beneficiary—Contract and automatic insurance.
 54. Duration of awards before change of beneficiary—Contract insurance.
- 55. Duration of awards before change of beneficiary—Automatic insurance.
- 56. Cases on which awards have been terminated—Contract and automatic insurance.
- 57. Date upon which awards have been terminated—Contract insurance.58. Date upon which awards have been terminated—Automatic insurance.
- 59. Date upon which awards have been terminated—Contract and automatic insurance combined.
- 60. Duration of awards in which payments have been terminated—Contract insurance.
- 61. Duration of awards in which payments have been terminated-Automatic insur-
- 62. Reasons for which claims have not been awarded.
- 63. Awarded claims active on June 30, 1919—Contract and automatic insurance.

COMPENSATION.

- 64. Total claims received and disposed of.
- 65. Awarded claims active on June 30, 1919.
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(PUBLIC-No. 104-66TH CONGRESS.)

(H. R. 8778.)

An Act to amend and modify the War Risk Insurance Act.

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled. That the office of the Commissioner of Military and Naval Insurance and the office of the Commissioner of Marine and Scamen's Insurance created by the War Risk Insurance Act are hereby abolished and the powers and duties pertaining to such offices are hereby transferred to the Director of the Bureau of War Risk Insurance, who shall hereafter receive a salary at the rate of \$7,500 per annum. Until such time as the Secretary of the Treasury may direct otherwise, and subject to the provisions of section 9 of the War Risk Insurance Act, there shall be in the Bureau of War Risk Insurance a Division of Marine and Seamen's Insurance and a Division of Military and Naval Insurance. All laws inconsistent with this section are hereby so modified as to conform to the provisions hereof.

Sec. 2. That paragraph (b) of the second subdivision (1) of section 22 of the War

Risk Insurance Act is hereby amended to read as follows:

"(b) A child legally adopted."

Sec. 3. That paragraph (d) of the second subdivision (1) of section 22 of the War

Risk Insurance Act is hereby amended to read as follows:

"(d) An illegitimate child, but, as to the father only, if acknowledged in writing signed by him, or if he has been judicially ordered or decreed to contribute to such child's support, or has been judically decreed to be the putative father of such child.'

Sec. 4. That section 22 of the War Risk Insurance Act is hereby amended by inserting therein immediately following subdivisions (4) and (5), respectively, two new subdivisions to be known as subdivision (4a) and subdivision (5a) and to read as follows:

"(4a) The terms 'father' and 'mother' include stepfathers and stepmothers, fathers and mothers through adoption, and persons who have stood in loco parentis to a member of the military or naval forces at any time prior to his enlistment or induction for a period of not less than one year: *Provided*, That this subdivision shall be deemed to be in effect as of October 6, 1917."

"(5a) The terms 'brother' and 'sister' include the children of a person who, for a period of not less than one year, stood in loco parentis to a member of the military or naval forces of the United States at any time prior to his enlistment or induction, or another member of the same household as to whom such person during such period likewise stood in loco parentis: *Provided*, That this subdivision shall be deemed to be in effect as of October 6, 1917."

Sec. 5. That section 23 of the War Risk Insurance Act is hereby amended by the

addition thereto of a new paragraph to read as tollows:

"If any person entitled to receive payments under this act shall be an inmate of any asylum or hospital for the insane maintained by the United States, or by any of the several States or Territories of the United States, or any political subdivision thereof, and no guardian or curator of the property of such person shall have been appointed by competent legal authority, the director, if satisfied after due investigation that any such person is mentally incompetent, may order that all moneys payable to him or her under this act shall be held in the Treasury of the United States to the credit of such person. All funds so held shall be disbursed under the order of the director and subject to his discretion, either to the chief executive officer of the asylum or hospital in which such person is an inmate, to be used by such officer for the maintenance and comfort of such inmate, subject to the duty to account to the Bureau of War Risk Insurance and to repay any surplus at any time remaining in his

hands in accordance with regulations to be prescribed by the director; or to the wife (or dependent husband if the inmate is a woman), minor children, and dependent parents of such inmate, in such amounts as the director shall find necessary for their support and maintenance, in the order named; or if at any time such inmate shall be found to be mentally competent, or shall die, or a guardian or curator of his or her estate be appointed, any balance remaining to the credit of such inmate shall be paid to such inmate, if mentally competent, and otherwise to his or her guardian, curator, or personal representatives."

Sec. 6. That the provisions of section 28 of the War Risk Insurance Act shall not be construed to prohibit the assignment by any person to whom converted insurance shall be payable under Article IV of such act of his interest in such insurance to any

other member of the permitted class of beneficiaries.

Sec. 7. That a new section is hereby added to the War Risk Insurance Act, to be

known as section 31, and to read as follows:
"Sec. 31. That if after induction by the local draft board but before being accepted and enrolled for active service, the person died or became disabled as a result of disease contracted or injury suffered in the line of duty and not due to his own willful misconduct involving moral turpitude, or as a result of the aggravation, in the line of duty and not because of his own willful misconduct involving moral turpitude, of an existing disease or injury, he or those entitled thereto shall receive the benefits of compensation payable under Article III: Provided, That any insurance application made by a person after induction by the local draft board but before being accepted and enrolled for active service shall be deemed valid.

Sec. S. That the second paragraph of section 204 of the War Risk Insurance Act is

hereby amended to read as follows:

"The family allowance shall be paid from the time of enlistment to death in or one month after discharge from the service, but not for more than four months after the termination of the present war emergency. No family allowance shall be made for any period preceding November 1, 1917. The payment shall be subject to such regulations as may be prescribed relative to cases of desertion and imprisonment and of missing men."

Sec. 9. That a new section is hereby added to Article II of the War Risk Insurance

Act, to be known as section 211, and to read as follows:

"Sec. 211. That all family allowances and allotments payable by the Bureau of War Risk Insurance under the authority of this article shall be discontinued at the end of the fourth calendar month after the termination of the present war emergency. as declared by proclamation of the President of the United States, and thereafter all allotments of pay shall be voluntary and shall be made under such regulations as may be prescribed by the Secretary of War and the Secretary of the Navy, respectively

Sec. 10. That the second paragraph of subdivision (g) of section 301 of the War

Risk Insurance Act is hereby amended to read as follows:

"If death occur or shall have occurred subsequent to April 6, 1917, and before discharge or resignation from service, the United States shall pay for burial expenses and the return of body to his frome a sum not to exceed \$100, as may be fixed by regulations."

That section 301 of the War Risk Insurance Act, as amended, shall be deemed to be in effect as of April 6, 1917: Provided, however, That before compensation thereunder shall be paid there shall first be deducted from said sum so to be paid the amount of any payments such person may have received by way of gratuities or payments under pension laws in force and existence between April 6, 1917, and October 6, 1917.

Sec. 10a. That section 300 of the War Risk Insurance Act is hereby amended to

read as follows:

"Sec. 300. That for death or disability resulting from personal injury suffered or disease contracted in the line of duty, by any commissioned officer or enlisted man, or by any member of the Army Nurse Corps (female) or of the Navy Nurse Corps (female) when employed in the active service under the War Department or Navy Department, the United States shall pay compensation as hereinafter provided; but no compensation shall be paid if the injury or disease has been caused by his own willful misconduct; Provided, That for the purposes of this section said officer, enlisted man, or other member shall be held and taken to have been in sound condition when examined, accepted, and enrolled for service: Provided further, That this section, as amended, shall be deemed to become effective as of April 6, 1917.

Sec. 11. That section 302 of the War Risk Insurance Act is hereby amended to

. read as follows:

"Sec. 302. That if disability results from the injury—

"(1) If and while the disability is rated as total and temporary the monthly compensation shall be the following amounts:

"(a) If the disabled person has neither wife nor child living, \$80.

"(b) If he has a wife but no child living, \$90. "(c) If he has a wife and one child living, \$95.

"(d) If he has a wife and two or more children living, \$100.

"(e) If he has no wife but one child living, \$90, with \$5 for each additional child. "(f) If he has a mother or father, either or both dependent on him for support,

then, in addition to the above amounts, \$10 for each parent so dependent.

"(2) If and while the disability is rated as partial and temporary, the monthly compensation shall be a percentage of the compensation that would be payable for his total and temporary disability, equal to the degree of the reduction in the earning capacity resulting from the disability, but no compensation shall be payable for a reduction in earning capacity rated at less than 10 per centum.

"(3) If and while the disability is rated as total and permanent the rate of compensaton shall be \$100 per month: Provided, however, That the loss of both feet, or both hands, or the sight of both eyes, or the loss of one foot and one hand, or one foot and the sight of one eve, or one hand and the sight of one eve, or becoming helpless and permanently bedridden, shall be deemed to be total, permanent disability: Provided further, That for double, total, permanent disability the rate of compensation

shall be \$200 per month.

"(4) If and while the disability is rated as partial and permanent the monthly compensation shall be a percentage of the compensation that would be payable for his total and permanent disability equal to the degree of the reduction in earning capacity resulting from the disability, but no compensation shall be payable for a reduction in earning capacity rated at less than 10 per centum.

"A schedule of ratings of reductions in earning capacity from specific injuries or combinations of injuries of a permanent nature shall be adopted and applied by the bureau. Ratings may be as high as 100 per centum. The ratings shall be based. as far as practicable, upon the average impairments of earning capacity resulting from such injuries in civil occupations and not upon the impairment in earning capacity in each individual case, so that there shall be no reduction in the rate of compensation for individual success in overcoming the handicap of a permanent injury. The bureau in adopting the schedule of ratings of reduction in earning capacity shall consider the impairment in ability to secure employment which results from such injuries. The bureau shall from time to time readjust this schedule of ratings in accordance with actual experience.

"(5) If the disabled person is so helpless as to be in constant need of a nurse or attendant, such additional sum shall be paid, but not exceeding \$20 per month, as

the director may deem reasonable.

(6) In addition to the compensation above provided, the injured person shall be furnished by the United States such reasonable governmental medical, surgical, and hospital services and with such supplies, including wheeled chairs, artificial limbs, trusses, and similar appliances, as the director may determine to be useful, and reasonably necessary, which wheeled chairs, artificial limbs, trusses, and similar appliances may be produced by the Bureau of War Risk Insurance in such manner, either by purchase or manufacture, as the director may determine to be advantageous and reasonably necessary: Provided, That nothing in this Act shall be construed to affect the necessary military control over any member of the military or naval establishments before he shall have been discharged from the military or naval service.

"(7) Where the disabled person and his wife are not living together, or where the children are not in the custody of the disabled person the amount of the compen-

sation shall be apportioned as may be prescribed by regulations.

"(8) The term wife as used in this section shall include 'husband' if the husband

is dependent upon the wife for support.

(9) That the Bureau of War Risk Insurance is hereby authorized to furnish transportation, also the medical, surgical, and hospital services and the supplies and appliances provided by subdivision (6) hereof, to discharged members of the military or naval forces of those Governments which have been associated in war with the United States since April 6, 1917, and come within the provisions of laws of such Governments similar to the War Risk Insurance Act, at such rates and under such regulations as the Director of the Bureau of War Risk Insurance may prescribe; and the Bureau of War Risk Insurance is hereby authorized to utilize the similar services, supplies, and appliances provided for the discharged members of the military and naval forces of those Governments which have been associated in war with the United States since April 6, 1917, by the laws of such Governments similar to the

War Risk Insurance Act, in furnishing the discharged members of the military and naval forces of the United States who live within the territorial limits of such Governments and come within the provisions of subdivision (6) hereof, with the services, supplies, and appliances provided for in such subdivision; and any appropriations that have been or may hereafter be made for the purpose of furnishing the services, supplies, and appliances provided for by subdivision (6) hereof are hereby made available for the payment to such Governments or their agencies for the services, supplies, and appliances so furnished at such rates and under such regulations as the Director of the Bureau of War Risk Insurance may prescribe.

(10) That section 302 of the War Risk Insurance Act as amended shall be deemed to be in effect as of April 6, 1917: *Provided*, That any person who is now receiving a gratuity or pension under existing law shall not receive compensation under this

Act unless he shall first surrender all claim to such gratuity or pension."

SEC. 12. That section 401 of the War Risk Insurance Act is hereby amended to read

as follows: "Sec. 401. That such insurance must be applied for within one hundred and twenty days after enlistment or after entrance into or employment in the active service and before discharge or resignation, except that those persons who are in the active war service at the time of the publication of the terms and conditions of such contract of insurance may apply at any time within one hundred and twenty days thereafter and while in such service: *Provided*, That any person in the active service on or after the 6th day of April, 1917, and before the 11th day of November, 1918, who while in such active service made application for insurance after the expiration of more than one hundred and twenty days after October 15, 1917, or more than one hundred and twenty days after entrance into or employment in the active service, and whose application was accepted and a policy issued thereon, and from whom premiums were collected, and who becomes or had become totally and permanently disabled, or dies or has died, shall be deemed to have made legal application for such insurance and the policy issued on such application shall be valid. Any person in the active service on or after the 6th day of April, 1917, and before the 11th day of November, 1918, who, while in such service, and before the expiration of one hundred and twenty days after October 15, 1917, or one hundred and twenty days after entrance into or employment in the active service, becomes or has become totally and permanently disabled, or dies or has died, without having applied for insurance, shall be deemed to have applied for and to have been granted insurance, payable to such person during his life in monthly installments of \$25 each; and any person inducted into the service by a local draft board after the 6th day of April, 1917, and before the 11th day of November, 1918, who, while in such service, and before being accepted and enrolled disabled, or dies or has died, without having applied for insurance, shall be deemed to have applied for and to have been granted insurance, payable to such person during his life in monthly installments of \$25 each. If he shall die either before he shall have received any of such monthly installments or before he shall have received two hundred and forty of such monthly installments, then \$25 per month shall be paid to his widow from the time of his death and during her widowhood; or if there is no widow surviving him, then to his child or children; or if there is no child surviving him, then to his mother; or if there is no mother surviving him, then to his father, if and while they survive him: *Provided*, *however*. That no more than two hundred and forty of such monthly installments, including those received by such person during his total and permanent disability, shall be so paid. The amount of the monthly installments shall be apportioned between children as may be provided by regulations: Provided further, That each officer and enlisted man attached to the United States ship Cyclops on the 4th day of March, 1918, and every officer and enlisted man who on said date was a passenger on said vessel shall be deemed to have been granted insurance in the sum of \$5,000 permitted under the War Risk Insurance Act.

SEC. 13. That the permitted class of beneficiaries for insurance as specified in section 402 of the War Risk Insurance Act is hereby enlarged so as to include, in addition to the persons therein enumerated, uncles, aunts, nephews, nieces, brothers-in-law and sisters-in-law of the insured. This section shall be deemed to be in effect as of October 6, 1917: Provided, That nothing herein shall be construed to interfere with the payment of the monthly installments authorized to be made under the provisions of said War Risk Insurance Act, as originally enacted and subsequently amended, up to and including the second calendar month after the passage of this act: Provided further, That all awards of insurance under the provisions of the said War Risk Insurance Act, as originally enacted and subsequently amended, shall be revised as

of the first day of the third calendar month after the passage of this Act, in accordance with the provisions of the said War Risk Insurance Act as modified by this amenda-

Sec. 14. That if no person within the permitted class of beneficiaries survive the insured, then there shall be paid to the estate of the insured the monthly installments payable and applicable under the provisions of Article IV of the War Risk Insurane ϵ Act

Sec. 15. That if any person to whom such yearly renewable term insurance has been awarded dies, or his rights are otherwise terminated after the death of the insured, but before all of the two hundred and forty monthly installments have been paid, then the monthly installments payable and applicable shall be payable to such person or persons within the permitted class of beneficiaries as would, under the laws of the State of residence of the insured, be entitled to his personal property in case of intestacy; and if the permitted class of beneficiaries be exhausted before all of the two hundred and forty monthly installments have been paid, then there shall be paid to the estate of the last surviving person within the permitted class the remaining unpaid monthly installments.

Sec. 16. That it no beneficiary within the permitted class be designated by the insured as beneficiary for converted insurance, granted under the provisions of Article IV of the War Risk Insurance Act, either in his lifetime or by his last will and testament, or if the designated beneficiary does not survive the insured, then there shall be paid to the estate of the insured the remaining unpaid monthly installments; or if the designated beneficiary survives the insured and dies before receiving all of the installments of converted insurance payable and applicable, then there shall be paid to the estate of such beneficiary the remaining unpaid monthly installments.

Sec. 17. That the Bureau of War Risk Insurance may make provision in the contract for converted insurance for optional settlements, to be selected by the insured, whereby such insurance may be made payable either in one sum or in installments for thirty-The bureau may also include in said contract a provision authorsix months or more. izing the beneficiary to elect to receive payment of the insurance in installments for thirty-six months or more, but only if the insured has not exercised the right of election as hereinbefore provided; and even though the insured may have exercised his right of election, the said contract may authorize the beneficiary to elect to receive such insurance in installments spread over a greater period of time than that selected

Sec. 18. That all premiums paid on account of insurance converted under the provisions of Article IV of the War Risk Insurance Act shall be deposited and covered into the Treasury to the credit of the United States Government life insurance fund and shall be available for the payment of losses, dividends, refunds, and other benefits provided for under such insurance. Payments from this fund shall be made upon

and in accordance with awards by the director.

The Bureau of War Risk Insurance is hereby authorized to set aside out of the fund so collected such reserve funds as may be required, under accepted actuarial principles, to meet all liabilities under such insurance; and the Secretary of the Treasury is hereby authorized to invest and reinvest the said United States Government life insurance fund, or any part thereof, in interest-bearing obligations of the United States and to sell the obligations for the purposes of the said fund.

SEC. 19. That the amount of the monthly installments of allotment and family allowance, compensation, or yearly renewable term insurance which has become payable under the provisions of the War Risk Insurance Act but which has not been paid prior to the death of the person entitled to receive the same may be payable to the per-

sonal representatives of the deceased person.

Approved, December 24, 1919.



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